REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS).

ACCESSION NBR:8412070220 DOC.DATE: 84/12/03 NOTARIZED: NO DOCKET #
FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
AUTH.NAME AUTHOR AFFILIATION
ZIMMERMAN,S.R. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards remaining master list of Class 1E electrical equipment included in environ qualification program submitted on 840727, in response to NRC 841125 request for addl info re acceptance review for OL application. 500 EQ's

DISTRIBUTION CODE: A048D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 1050
TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR LB3 BC	12	1	0	BUCKLEY,B	01	1	1
INTERNAL:	ACRS	15	8	8	ADM/LFMB		1	0
	ELD/HDS1	12	1	1	GC	13	1	1
	IE FILE	09	1	1	NRR KARSCH,R		1	1
	NRR/DE/EQB	07	2	2	NRR/DL DIR	14	1	1
	~~NRR/DL/ORAB~~	06	1	0	NRR/DSI/AEB		1	1
	REG FILE	04	1	1	RGN2		1	1
EXTERNAL:	LPDR	03	1	1	NRC PDR	02	1	1
	NSIC	05	1	1	NTIS	31	1	1

Limited dist.

6 Encls

TOTAL NUMBER OF COPIES REQUIRED: LTTR 26 ENCL ~~24~~

CP&L

Carolina Power & Light Company

SERIAL: NLS-84-476

DEC 0 3 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
ENVIRONMENTAL QUALIFICATION OF
ELECTRICAL EQUIPMENT

REFERENCES:

1) Carolina Power & Light Company. "Shearon Harris Nuclear Power Plant Final Safety Analysis Report," June 26, 1980 (as amended).

2) Eisenhut, D. G. "Acceptance Review of Application for Operating Licenses for Shearon Harris Nuclear Power Plant, Unit Nos. 1, 2, 3, and 4," November 25, 1981. Correspondence.

3) Utley, E. E. "Responses to NRC Acceptance Review Items," June 30, 1982. Correspondence.

4) U. S. Nuclear Regulatory Commission. "Safety Evaluation Report Related to the Operation of Shearon Harris Nuclear Power Plant, Unit Nos. 1 and 2," NUREG-1038, November 1983.

5) Zimmerman, S. R. "Partial Master List of Electrical Equipment Located in the Harsh Environments," NLS-84-348, July 27, 1984.

Dear Mr. Denton:

Carolina Power & Light Company hereby submits the remainder of the Master List of Class IE electrical equipment included in the environmental qualification program submitted on July 27, 1984 (Reference 5). With this material, and with the information contained in the Final Safety Analysis Report (Reference 1), we fulfill the request for additional information (References 2 and 4) that you indicated was necessary to establish the acceptability of our program. This submittal contains the following information:

1. The listing of Nuclear Steam Supply System Class IE electrical equipment located in harsh environments; including those environments where the radiation total integrated dose (TID) is greater than 10^4 rads (Attachment I). This supersedes the previous list which included primarily equipment in areas where the TID is greater than 10^5 rads. The component evaluation sheets have been included.

A048 1/1 Limited Dist

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

2. The listing of Balance of Plant Class IE electrical equipment located in areas where the TID is between 10^4 and 10^5 rads (Attachment II). This supplements the previous list which included equipment located in areas where the TID is greater than 10^5 rads. The component evaluation sheets have been included.

Should you have any questions, please contact Mr. Pedro Salas at (919) 836-8015.

Yours very truly,

S. R. Zimmerman
Manager
Nuclear Licensing Section

PS/ccc (839PSA)

cc: Mr. B. C. Buckley (NRC)
Mr. Armando Masciantonio (NRC)
Mr. G. F. Maxwell (NRC-SHNPP)
Mr. J. P. O'Reilly (NRC-RII)
Mr. Travis Payne (KUDZU)
Chapel Hill Public Library
Wake County Public Library
Mr. Daniel F. Read (CHANGE/ELP)
Mr. Wells Eddleman
Mr. John D. Runkle
Dr. Richard D. Wilson
Mr. G. O. Bright (ASLB)
Dr. J. H. Carpenter (ASLB)
Mr. J. L. Kelley (ASLB)

SHEARON HARRIS 1 - ER LIST

SYSTEM AME:CS0002-CHEM.& VOLUME CONTROL

I

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
1CS-V509SB-1	LIMIT SWITCH	W TAG NO 1IA88 RE FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1523.0 1730.0 241.0	H	C(A)	CI		2770	
1CS-V509SB-1	SOLENOID VALVE	W TAG NO 1IA88 RE FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1523.0 1730.0 241.0	H	C(A)	CI		2769	
1CS-V516SB-1	LIMIT SWITCH	XCESS LETDN FROM RCS TO VALVE 1CS-V509	WESTINGH*SE	BY FIELD	CB21	1525.0 1730.0 241.0	H	C(A)	CI		2768	
1CS-V510SB-1	SOLENOID VALVE	W TAG NO 1IA88 RE FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1525.0 1730.0 241.0	H	C(A)	CI		2767	

2H/2070220

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/N	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-L520SA-1	MOTOR OPERATOR	W TAG NO 4GM72 FB	WESTINGH*SE	BY FIELD	AB31	1543.0 1596.0 263.0	H	A	CI		2858	
2CS-L520SA-1	LIMIT SWITCH	W TAG NO 4GM72 FB	WESTINGH*SE	BY FIELD	AB31	1543.0 1596.0 263.0	H	A	CI		2859	
2CS-L520SA-1	LEVEL CONTR 4	FROM VCT 1X-SN OUTLET TO LCV 2CS-L521SB	WESTINGH*SE	BY FIELD	AB31	1543.0 1596.0 263.0	H	A	CI		3616	
2CS-L521SB-1	LEVEL CONTR 4	W TAG NO 4GM72 FB	WESTINGH*SE	BY FIELD	AB31	1546.0 1596.0 263.0	H	A	CI		3617	
2CS-L521SB-1	MOTOR OPERATOR	ROM VCT 1X-SN< OUTLET TO LCV 2CS-L521SN	WESTINGH*SE	BY FIELD	AB31	1546.0 1596.0 263.0	H	A	CI		2860	
2CS-L521SB-1	LIMIT SWITCH	W TAG NO 4GM72 FB	WESTINGH*SE	BY FIELD	AB31	1546.0 1596.0 263.0	H	A	CI		2861	
2CS-L522SB-1	MOTOR OPERATOR	W TAG NO 8GM72 FB	WESTINGH*SE	BY FIELD	AB21	1521.0 1574.0 247.0	H (N)	D	CI		2862	
2CS-L522SB-1	LIMIT SWITCH	W TAG NO 8GM72 FB	WESTINGH*SE	BY FIELD	AB21	1521.0 1574.0 247.0	H (N)	D	CI		2863	
2CS-L523SA-1	LIMIT SWITCH	WST CONN TO CHARG PUMP 1A-SA SUCT	WESTINGH*SE	BY FIELD	AB21	1499.0 1573.0 247.0	H (N)	D	CI		2865	
2CS-L523SA-1	MOTOR OPERATOR	W TAG NO 8GM72 FB	WESTINGH*SE	BY FIELD	AB21	1499.0 1573.0 247.0	H (N)	D	CI		2864	

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V511SA-1	SOLENOID VALVE	W TAG NO 2IA78 RG FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1459.0 1670.0 248.0	H	A	CI	*	2894	
2CS-V511SA-1	LIMIT SWITCH	W TAG NO 2IA78 RG FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1459.0 1670.0 248.0	H	A	CI	*	2895	
2CS-V512SA-1	LIMIT SWITCH	W TAG NO 2IA78 RG FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1458.0 1669.0 248.0	H	A	CI	*	2897	
2CS-V512SA-1	SOLENOID VALVE	ETDN ORIFICE < LINE DOWN STREAM OF VLV	WESTINGH*SE	BY FIELD	CB21	1458.0 1669.0 248.0	H	A	CI	*	2896	
2CS-V513SA-1	SOLENOID VALVE	LETDN ORIFICE LINE DOWN STREAM OF VLV	WESTINGH*SE	BY FIELD	CB21	1457.0 1668.0 248.0	H	A	CI	*	2898	
2CS-V513SA-1	LIMIT SWITCH	W TAG NO 2IA78 RG FAIL CLOSED	WESTINGH*SE	BY FIELD	CB21	1457.0 1668.0 248.0	H	A	CI	*	2899	
2CS-V516SA-1	MOTOR OPERATOR	W TAG NO 2TM78 FNH END CONN SCH 1	WESTINGH*SE	BY FIELD	CB21	1561.0 1690.0 245.0	H	A	CI	*	2900	
2CS-V516SA-1	LIMIT SWITCH	W TAG NO 2TM78 FNH END CONN SCH 1	WESTINGH*SE	BY FIELD	CB21	1561.0 1690.0 245.0	H	A	CI	*	2901	
2CS-V516SA-1	GLOBE 2	SEAL WATER RETURN HDR UPSTREAM TO	WESTINGH*SE	BY FIELD	CB21	1561.0 1690.0 245.0	H	A	CI		3591	
2CS-V517SB-1	GLOBE 2	W TAG NO 2TM78 FN END CONN SCH 1	WESTINGH*SE	BY FIELD	AB21	1570.0 1685.0 236.0	H (M)	D	CI		3592	
2CS-V517SB-1	MOTOR OPERATOR	EAL WATER < RETURN HDR UP-STREAM OF VLV	WESTINGH*SE	BY FIELD	AB21	1570.0 1685.0 236.0	H (M)	D	CI	*	2902	

TAGS INCLUDED: 2CS-R500SA-1 ----2CS-V517SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SHEARON HARRIS 1 - MASTER LIST

SYSTEM # & NAME: 50002 Chemical & Volume Control

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
ICS-L500 SN-1	SOLENOID VALVE	LETDOWN LINE ISOL. VLV. SERVING ICS-L500SN-1	ASCO	FT831654	CB 21	X: 1461.0 Y: 1703.0 Z: 241.0	H	A	CI			
ICS-L500 SN-1	LIMIT SWITCH	LETDOWN LINE ISOL. VAL SERVING ICS-L500SN-1	NAMCO	D2400X	CB 21	X: 1461.0 Y: 1703.0 Z: 241.0	H	A	CI			
ICS-L501 SN-1	LIMIT SWITCH	LETDOWN LINE ISOL. VLV. SERVING ICS-L501SN-1	NAMCO	D2400X	CB 21	X: 1459.0 Y: 1701.0 Z: 241.0	H	A	CI			
ICS-501 SN-1	SOLENOID VALVE	LETDOWN LINE ISOL. VLV. SERVING ICS-L500SN-1	ASCO	FT831654	CB 21	X: 1459.0 Y: 1701.0 Z: 241.0	H	A	CI			

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V517SB-1	LIMIT SWITCH	W TAG NO 2TM78 FN END CONN SCH 1	WESTINGH'SE	BY FIELD	AB21	1570.0 1685.0 236.0	H (M)	D	CI	*	2903	
2CS-V518SB-1	LIMIT SWITCH	ISOLATION VALVE FAIL CLOSED	WESTINGH'SE	BY FIELD	AB21	1445.0 1655.0 245.0	H (M)	D	CI	*	2905	
2CS-V518SB-1	SOLENOID VALVE	ISOLATION VALVE FAIL CLOSED	WESTINGH'SE	BY FIELD	AB21	1445.0 1655.0 245.0	H (M)	D	CI	*	2904	
2CS-V522SB-1	GLOBE 1 1/2	LATER	WESTINGH'SE	BY FIELD	AB21	1432.0 1678.0 236.0	H (M)	D	CI		2272	
2CS-V523SB-1	GLOBE 1 1/2	LATER	WESTINGH'SE	BY FIELD	AB21	1543.0 1642.0 236.0	H (M)	D	CI		2273	
2CS-V524SB-1	GLOBE 1 1/2	LATER	WESTINGH'SE	BY FIELD	AB21	1571.0 1694.0 236.0	H (M)	D	CI		2274	
2CS-V585SA-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1617.0 1586.0 238.0	H (M)	D	CI		2906	
2CS-V585SA-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1617.0 1586.0 238.0	H (M)	D	CI		2907	
2CS-V585SA-1	GATE 3	CHARG PUMPS MINIFLOW HDR UPSTRM OF VLV	WESTINGH'SE	BY FIELD	AB21	1617.0 1586.0 238.0	H (M)	D	CI		3631	
2CS-V586SB-1	GLOBE 2	W TAG NO 2TM78 FN END CONN SCH 1	WESTINGH'SE	BY FIELD	AB21	1547.0 1595.0 236.0	H (M)	D	CI		3615	
2CS-V586SB-1	LIMIT SWITCH	LT. BA ADDIT-ION TO CHARG PUMPS SUCT	WESTINGH'SE	BY FIELD	AB21	1547.0 1595.0 236.0	H (M)	D	CI		2909	
2CS-V586SB-1	MOTOR OPERATOR	W TAG NO 2TM78 FN END CONN SCH 1	WESTINGH'SE	BY FIELD	AB21	1547.0 1595.0 236.0	H (M)	D	CI		2908	

TAGS INCLUDED: 2CS-V517SB-1 ----2CS-V586SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/86

SYSTEM # & NAME:CS0092-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V587SA-1	LIMIT SWITCH	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1495.0 1595.0 247.0	H M	D	CI		2911	
2CS-V587SA-1	MOTOR OPERATOR	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1495.0 1595.0 247.0	H M	D	CI		2910	
2CS-V587SA-1	GATE 8	VCT OUTLET HDR AT CHARG PUMPS SUCT	WESTINGH'SE	BY FIELD	AB21	1495.0 1595.0 247.0	H M	D	CI		3618	
2CS-V588SB-1	GATE 8	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1502.0 1595.0 247.0	H M	D	CI		3619	
2CS-V588SB-1	MOTOR OPERATOR	CT OUTLET HDR< AT CHARG PUMPS SUCT	WESTINGH'SE	BY FIELD	AB21	1502.0 1595.0 247.0	H M	D	CI		2912	
2CS-V588SB-1	LIMIT SWITCH	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1502.0 1595.0 247.0	H M	D	CI		2913	
2CS-V589SA-1	MOTOR OPERATOR	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1518.0 1576.0 247.0	H M	D	CI		2914	
2CS-V589SA-1	LIMIT SWITCH	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1518.0 1576.0 247.0	H M	D	CI		2915	
2CS-V590SB-1	LIMIT SWITCH	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	1525.0 1576.0 247.0	H M	D	CI		2917	
2CS-V590SB-1	MOTOR OPERATOR	W TAG NO 8GM72 FB	WESTINGH'SE	BY FIELD	AB21	-1525.0 1576.0 247.0	H M	D	CI		2916	
2CS-V590SB-1	GATE 8	CHARGING PUMPS SUCTION HDR	WESTINGH'SE	BY FIELD	AB21	1525.0 1576.0 247.0	H M	D	CI		3621	

TAGS INCLUDED: 2CS-V587SA-1 ----2CS-V591SA-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V600SB-1	GLOBE 2	MINIFLOW LINE FROM CHARG PMP 1A-SA DISCH TO	WESTINGH*SE	BY FIELD	AB21	1493.0 1592.0 247.0	H (M)	D	CI		3627	
2CS-V600SB-1	MOTOR OPERATOR	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1493.0 1592.0 247.0	H (M)	D	CI		2918	
2CS-V600SB-1	LIMIT SWITCH	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1493.0 1592.0 247.0	H (M)	D	CI		2919	
2CS-V601SB-1	MOTOR OPERATOR	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1516.0 1591.0 247.0	H (M)	D	CI		2920	
2CS-V601SB-1	LIMIT SWITCH	INIFLOW LINE < FROM CHARG PMP 1C-SAB DISCH	WESTINGH*SE	BY FIELD	AB21	1516.0 1591.0 247.0	H (M)	D	CI		2921	
2CS-V601SB-1	GLOBE 2	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1516.0 1591.0 247.0	H (M)	D	CI		3628	
2CS-V602SB-1	GLOBE 2	MINIFLOW LINE FROM CHARG PMP 1B-SB DISCH TO	WESTINGH*SE	BY FIELD	AB21	1528.0 1592.0 247.0	H (M)	D	CI		3630	

TAGS INCLUDED: 2CS-V592SAB-1 ----2CS-V602SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V602SB-1	MOTOR OPERATOR	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1528.0 1592.0 247.0	H(M)	D	CI		2866	
2CS-V602SB-1	LIMIT SWITCH	W TAG NO 2TM78 FN	WESTINGH*SE	BY FIELD	AB21	1528.0 1592.0 247.0	H(M)	D	CI		2867	
2CS-V603SA-1	MOTOR OPERATOR	W TAG NO 4GM78 FN	WESTINGH*SE	BY FIELD	AB21	1495.0 1575.0 247.0	H(M)	D	CI		2868	
2CS-V603SA-1	LIMIT SWITCH	HARG PUMPS < DISCH HDR	WESTINGH*SE	BY FIELD	AB21	1495.0 1575.0 247.0	H(M)	D	CI		2869	
2CS-V603SA-1	GATE 4	W TAG NO 4GM78 FN	WESTINGH*SE	BY FIELD	AB21	1495.0 1575.0 247.0	H(M)	D	CI		3632	
2CS-V604SB-1	GATE 4	CHARG PUMPS DISCH HDR	WESTINGH*SE	BY FIELD	AB21	1502.0 1575.0 247.0	H(M)	D	CI		3633	
2CS-V604SB-1	MOTOR OPERATOR	W TAG NO 4GM78 FN	WESTINGH*SE	BY FIELD	AB21	1502.0 1575.0 247.0	H(M)	D	CI		2870	
2CS-V604SB-1	LIMIT SWITCH	W TAG NO 4GM78 FN	WESTINGH*SE	BY FIELD	AB21	1502.0 1575.0 247.0	H(M)	D	CI		2871	
2CS-V605SA-1	MOTOR OPERATOR	W TAG NO 4GM78 FN	WESTINGH*SE	BY FIELD	AB21	1518.0 1575.0 247.0	H(M)	D	CI		2872	
2CS-V605SA-1	LIMIT SWITCH	HARG PUMPS < DISCH HDR	WESTINGH*SE	BY FIELD	AB21	1518.0 1575.0 247.0	H(M)	D	CI		2873	
2CS-V605SA-1	GATE 4	W TAG NO 4GM78 FN.	WESTINGH*SE	BY FIELD	AB21	1518.0 1575.0 247.0	H(M)	D	CI		3634	
2CS-V606SB-1	GATE 4	CHARG PUMPS DISCH HDR	WESTINGH*SE	BY FIELD	AB21	1526.0 1575.0 247.0	H(M)	D	CI		3635	

TAGS INCLUDED: 2CS-V602SB-1 ----2CS-V606SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CS0002-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V606SB-1	LIMIT SWITCH	W TAG NO 4GM78 FN	WESTINGH'SE	BY FIELD	AB21	1526.0 1575.0 247.0	H(M)	D	CI		2875	
2CS-V606SB-1	MOTOR OPERATOR	W TAG NO 4GM78 FN	WESTINGH'SE	BY FIELD	AB21	1526.0 1575.0 247.0	H(M)	D	CI		2874	
2CS-V609SB-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1455.0 1641.0 236.0	H(M)	D	CI		2876	
2CS-V609SB-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1455.0 1641.0 236.0	H(M)	D	CI		2877	
2CS-V610SA-1	LIMIT SWITCH	2CS-V610SA-1TO 2CS-V515SN-1 INCLUDING PEN-	WESTINGH'SE	BY FIELD	AB21	1457.0 1642.0 236.0	H(M)	D	CI	*	2879	
2CS-V610SA-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1457.0 1642.0 236.0	H(M)	D	CI	*	2878	
2CS-V610SA-1	GATE 3	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1457.0 1642.0 236.0	H(M)	D	CI		3590	
2CS-V611SB-1	GLOBE 2	SW INJ FROM CHARG PMPS DI- SCH HDR TO SW	WESTINGH'SE	BY FIELD	AB21	1530.0 1576.0 250.0	H(M)	D	CI		3637	
2CS-V611SB-1	LIMIT SWITCH	W TAG NO 2TM78 FN	WESTINGH'SE	BY FIELD	AB21	1530.0 1576.0 250.0	H(M)	D	CI		2881	
2CS-V611SB-1	MOTOR OPERATOR	W TAG NO 2TM78 FN	WESTINGH'SE	BY FIELD	AB21	1530.0 1576.0 250.0	H(M)	D	CI		2880	
2CS-V636SA-1	LIMIT SWITCH	W TAG NO 3/8TA 78RL	WESTINGH'SE	BY FIELD	AB31	1603.0 1621.0 271.0	H(M)	D	CI		2883	
2CS-V636SA-1	SOLENOID VALVE	W TAG NO 3/8TA 78RL	WESTINGH'SE	BY FIELD	AB31	1603.0 1621.0 271.0	H(M)	D	CI		2882	

TAGS INCLUDED: 2CS-V606SB-1 ----2CS-V636SA-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # A E:CS0092-CHEM.& VOLUME CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CS-V637SN-1 B	SOLENOID VALVE	W TAG NO 3/8TA 78RL	WESTINGH*SE	BY FIELD	AB31	1603.0 1621.0 271.0	H M	D	CI		2884	
2CS-V637SN-1 B	LIMIT SWITCH	W TAG NO 3/8TA 78RL	WESTINGH*SE	BY FIELD	AB31	1603.0 1621.0 271.0	H M	D	CI		2885	
2CS-V757SA-1	PCKLESS GLO 2	MINIFLOW MODIF ICATION LINE	WESTINGH*SE	BY FIELD	AB21		H	D A	CI		4022	
2CS-V758SB-1	PCKLESS GLO 2	MINIFLOW MODIF ICATION LINE	WESTINGH*SE	BY FIELD	AB21		H	D A	CI		4023	
2CS-V759SB-1	PCKLESS GLO 2	MINIFLOW MODIF ICATION LINE	WESTINGH*SE	BY FIELD	AB21		H	D A	CI		4024	
2CS-V760SA-1	PCKLESS GLO 2	MINIFLOW MODIF ICATION LINE	WESTINGH*SE	BY FIELD	AB21		H	D A	CI		4025	

TAGS INCLUDED: 2CS-V637SN-1 ----3CS-B525SN-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

STEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. N/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
1CC 0671 SA	TEMPERATURE PRIMARY EL	CC PMP 1A DIS (RTD)	PINCE PROD. INC	S7364P125Z 12 WSO-325	AB21	1400.0 1535.0 246.0	H (M)	D	CI		0144	
1CC 0672 SB	TEMPERATURE PRIMARY EL	CC PMP 1B DIS (RTD)	PINCE PROD. INC	S7364P125Z 12 WSO-325	AB21	1572.0 1535.0 236.0	H (M)	D	CI		0145	

TAGS INCLUDED: LT 1CC 0670 I ----TO 1CC 0672 S
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/85

SYSTEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CC-V169SA-1	MOTOR OPERATOR	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1558.0 1654.0 255.0	H (M)	D	CI		2842	
2CC-V169SA-1	LIMIT SWITCH	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1558.0 1654.0 255.0	H (M)	D	CI		2843	
2CC-V169SA-1	GATE 6	RCP 1A-SN SUCTION	WESTINGH*SE	BY FIELD	AB21	1558.0 1654.0 255.0	H (M)	D	CI		3577	
2CC-V170SB-1	GATE 6	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1559.0 1661.0 236.0	H (M)	D	CI		3578	
2CC-V170SB-1	MOTOR OPERATOR	CP 1A-SN SUCTION LINE	WESTINGH*SE	BY FIELD	AB21	1559.0 1661.0 236.0	H (M)	D	CI		2844	
2CC-V170SB-1	LIMIT SWITCH	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1559.0 1661.0 236.0	H (M)	D	CI		2845	
2CC-V172SB-1	LIMIT SWITCH	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB11	1534.0 1637.0 230.0	H (M)	D	CI		2847	
2CC-V172SB-1	MOTOR OPERATOR	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB11	1534.0 1637.0 230.0	H (M)	D	CI		2846	
2CC-V172SB-1	GATE 6	DNSTRM 2CC-V172SN-1 TO LTDN HX	WESTINGH*SE	BY FIELD	AB11	1534.0 1637.0 230.0	H (M)	D	CI		3575	
2CC-V182SB-1	GATE 6	UPSTRM TO 2CC-V182SN-1 TO RETRN HDR	WESTINGH*SE	BY FIELD	AB21	1538.0 1640.0 245.0	H (M)	D	CI		3576	
2CC-V182SB-1	MOTOR OPERATOR	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1538.0 1640.0 245.0	H (M)	D	CI		2848	
2CC-V182SB-1	LIMIT SWITCH	W TAG NO 6GM62 FB	WESTINGH*SE	BY FIELD	AB21	1538.0 1640.0 245.0	H (M)	D	CI		2849	

TAGS INCLUDED: 2CC-V169SA-1 ----2CC-V182SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CC-V183SB-1	MOTOR OPERATOR	W TAG NO 6GM62 FB	WESTINGH'SE	BY FIELD	AB21	1562.0 1666.0 245.0	H(M)	D	CI		2850	
2CC-V183SB-1	LIMIT SWITCH	PSTRM TO < VALVE 2CC-V183 SN TO RETN	WESTINGH'SE	BY FIELD	AB21	1562.0 1666.0 245.0	H(M)	D	CI		2851	
2CC-V183SB-1	GATE 6	W TAG NO 6GM62 FB	WESTINGH'SE	BY FIELD	AB21	1562.0 1666.0 245.0	H(M)	D	CI		3579	
2CC-V184SA-1	GATE 6	UPSTRM TO VALVE 2CC-V183 SN TO RETRN	WESTINGH'SE	BY FIELD	CB21	1555.0 1671.0 247.0	H	A	CI		3580	
2CC-V184SA-1	LIMIT SWITCH	W TAG NO 6GM62 FBH	WESTINGH'SE	BY FIELD	CB21	1555.0 1671.0 247.0	H	A	CI		2853	
2CC-V184SA-1	MOTOR OPERATOR	W TAG NO 6GM62 FBH	WESTINGH'S.	BY FIELD	CB21	1555.0 1671.0 247.0	H	A	CI		2852	
2CC-V190SB-1	LIMIT SWITCH	CP 1A-SN < DISCH UPSTRM TO 2CC-F2SN	WESTINGH'SE	BY FIELD	AB21	1549.0 1648.0 255.0	H(M)	D	CI		2855	
2CC-V190SB-1	MOTOR OPERATOR	W TAG NO 4GM68 FN	WESTINGH'SE	BY FIELD	AB21	1549.0 1648.0 255.0	H(M)	D	CI		2854	
2CC-V190SB-1	GATE 4	W TAG NO 4GM68 FN	WESTINGH'SE	BY FIELD	AB21	1549.0 1648.0 255.0	H(M)	D	CI		3581	
2CC-V191SA-1	GATE 4	RCP 1A-SN DISCH UP STRM TO 2CC-F2SN	WESTINGH'SE	BY FIELD	CB21	1542.0 1655.0 255.0	H	A	CI		3582	
2CC-V191SA-1	MOTOR OPERATOR	W TAG NO 4GM68 FNH	WESTINGH'SE	BY FIELD	CB21	1542.0 1655.0 255.0	H	A	CI		2856	
2CC-V191SA-1	LIMIT SWITCH	W TAG NO 4GM68 FNH	WESTINGH'SE	BY FIELD	CB21	1542.0 1655.0 255.0	H	A	CI		2857	

TAGS INCLUDED: 2CC-V183SB-1 ----2CC-V191SA-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CC-B19SA-1	BUTTERFLY 18	CC HX 1A-SA OUTLET	WESTINGH*SE	BY FIELD	AB21	1479.0 1551.0 251.0	H (M)	D	CI		3570	
3CC-B19SA-1	MOTOR OPERATOR	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1479.0 1551.0 251.0	H (M)	D	CI		3222	
3CC-B19SA-1	LIMIT SWITCH	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1479.0 1551.0 251.0	H (M)	D	CI		3223	
3CC-B20SB-1	MOTOR OPERATOR	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1498.0 1552.0 251.0	H (M)	D	CI		3224	
3CC-B20SB-1	LIMIT SWITCH	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1498.0 1552.0 251.0	H (M)	D	CI		3225	
3CC-B20SB-1	BUTTERFLY 18	CC HX 1B-SB OUTLET	WESTINGH*SE	BY FIELD	AB21	1498.0 1552.0 251.0	H (M)	D	CI		3572	
3CC-B5SA-1	BUTTERFLY 18	RTN HDR TO CC PMP 1A-SA SUCTION	WESTINGH*SE	BY FIELD	AB21	1422.0 1547.0 252.0	H (M)	D	CI		3569	
3CC-B5SA-1	MOTOR OPERATOR	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1422.0 1547.0 252.0	H (M)	D	CI		3226	
3CC-B5SA-1	LIMIT SWITCH	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1422.0 1547.0 252.0	H (M)	D	CI		3227	
3CC-B6SB-1	MOTOR OPERATOR	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1556.0 1547.0 249.0	H (M)	D	CI		3228	
3CC-B6SB-1	LIMIT SWITCH	TN HDR TO CC < PMP 1B-SB SUCTION	WESTINGH*SE	BY FIELD	AB21	1556.0 1547.0 249.0	H (M)	D	CI		3229	
3CC-B6SB-1	BUTTERFLY 18	W TAG NO 18BM3 2	WESTINGH*SE	BY FIELD	AB21	1556.0 1547.0 249.0	H (M)	D	CI		3571	

TAGS INCLUDED: 3CC-B19SA-1 ----3CC-B6SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CC-L1SA-1	SOLENOID VALVE	W TAG NO 3/4DA 32R	WESTINGH*SE	BY FIELD	AB21	1519.0 1619.0 239.0	H (M)	D	CI		3234	
3CC-L1SA-1	LIMIT SWITCH	W TAG NO 3/4DA 32R	WESTINGH*SE	BY FIELD	AB21	1519.0 1619.0 239.0	H (M)	D	CI		3235	
3CC-L2SB-1	LIMIT SWITCH	W TAG NO 3/4DA 32R	WESTINGH*SE	BY FIELD	AB21	1520.0 1620.0 239.0	H (M)	D	CI		3237	
3CC-L2SB-1	SOLENOID VALVE	FFB INLET	WESTINGH*SE	BY FIELD	AB21	1520.0 1620.0 239.0	H (M)	D	CI		3236	
3CC-V165SA-1	GATE 12	RH HX 1A-SA OUTLET	WESTINGH*SE	BY FIELD	AB21	1428.0 1567.0 238.0	H (M)	D	CI		3573	
3CC-V165SA-1	LIMIT SWITCH	W TAG NO 12GM3 2SB	WESTINGH*SE	BY FIELD	AB21	1428.0 1567.0 238.0	H (M)	D	CI		3239	
3CC-V165SA-1	MOTOR OPERATOR	W TAG NO 12GM3 2SB	WESTINGH*SE	BY FIELD	AB21	1428.0 1567.0 238.0	H (M)	D	CI		3238	

TAGS INCLUDED: 3CC-B277SA-1 ----3CC-V167SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

Rev.
Pref

SPEAKOR HARRIS 1 - MASTER LIST

SYSTEM # & NAME: CC0014 COMPONENT COOLING WATER

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Set.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
1A-SA	MOTOR	COMPONENT COOLING	WESTIGHOUSE	HSDP/ 25-76	RAB	X:1400'-7" Y:1526'-7" Z:238'-9"	H (M)	D	CI			
1B-S.B	MOTOR	COMPONENT COOLING	WESTINGHOUSE	HSDP/ 45-76	RAB	X:1541'-4" Y:1526'-7" Z:238'-9"	H (M)	D	CI			
1C-SAB	MOTOR	COMPONENT COOLING	WESTINGHOUSE	HSDP 95-76	RAB	X:1426'-7" Y:1526'-7" Z:238'-9"	H (M)	D	CI			

SYSTEM # & NAME:HP0075-CONT.HYDROGEN CONTROL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
EH2RMB 1A SA	Hydrogen Recombiner	~~LATER~~ ELECTRIC HYDROGEN RECOMB.	WESTINGHOUSE	BY FIELD	CB41	1441.0 1706.0 286.0	H	A	PRRM		2455	
EH2RMB 1B SB	Hydrogen Recombiner	~~LATER~~ ELECTRIC HYDROGEN RECOMB.	WESTINGHOUSE	BY FIELD	CB41	1559.0 1706.0 286.0	H	A	PRRM		2456	

SYSTEM # & NAME:CT0007-CONTAINMENT SPRAY

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. M/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
LT 1CT 0990 I	LEVEL TRANSMITTER	RWST LEVEL PR ST I	ITT-BARTON	752 WSO-32	TA11	1329.0 1613.0 265.0	H (M)	D	CI	*	0160	
LT 1CT 0991 II	LEVEL TRANSMITTER	RWST LEVEL PR ST II	ITT-BARTON	752 WSO-32	TA11	1327.0 1637.0 265.0	H (M)	D	CI	*	0162	

TAGS INCLUDED: FF 1CT 7152 SB----LT 1CT 0991 II
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/86

SYSTEM [illegible] NAME: CONTAINMENT SPRAY

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/N	FUNCT. CLASS.	SAFETY FUNCTION	REG 1.97	CES #	REV #
PT ICT0950	PRESS. XMTR.	CONT PRES	BARTON	752	A.B.-32	261-0	H	D	CI	*		

SYSTEM # & NA[illegible]H0009-FEEDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
LT 1FW 0474 I	LEVEL TRANS MITTER	SG 1A NAR RGE LVL PR ST I	ITT-BARTON	MOD 764 WS0-32	CB21	1454.0 1709.0 236.0	H	A	CI	*	0083	
LT 1FW 0475 II	LEVEL TRANS MITTER	SG 1A NAR RGE LVL PR ST II	ITT-BARTON	MOD 764 WS0-32	CB21	1456.0 1717.0 236.0	H	A	CI	*	0088	
LT 1FW 0476 III	LEVEL TRANS MITTER	SG 1A NAR RNG LVL PR ST III	ITT-BARTON	MOD 764 WS0-32	CB21	1460.0 1725.0 236.0	H	A	CI	*	0092	
LT 1FW 0477 I	LEVEL TRANS MITTER	SG 1A WD RNGE LVL PR [illegible] I	ITT-BARTON	MOD 764 WS0-32	CB21	1454.0 1709.0 236.0	H	A	CI		0414	
LT 1FW 0484 I	LEVEL TRANS MITTER	SG 1B NAR RGE LVL PR ST I	ITT-BARTON	MOD 764 WS0-32	CB21	1503.0 1646.0 236.0	H	A	CI	*	0415	
LT 1FW 0485 II	LEVEL TRANS MITTER	SG 1B NAR RGE LVL PR ST II	ITT-BARTON	MOD 764 WS0-32	CB21	1490.0 1648.0 236.0	H	A	CI	*	0102	
LT 1FW 0486 III	LEVEL TRANS MITTER	SG 1B NAR RGE LVL PR ST III	ITT-BARTON	MOD 764 WS0-32	CB21	1490.0 1648.0 236.0	H	A	CI	*	0106	
LT 1FW 0487 II	LEVEL TRANS MITTER	SG 1B WD RGE LEV PR ST II	ITT-BARTON	MOD 764 WS0-32	CB21	1496.0 1646.0 236.0	H	A	CI		0110	
LT 1FW 0494 I	LEVEL TRANS MITTER	SG 1C NAR RGE LEV PR ST I (ILT)	ITT-BARTON	MOD 764 WS0-32	CB21	1531.0 1736.0 236.0	H	A	CI	*	0416	
LT 1FW 0495 II	LEVEL TRANS MITTER	SG 1C NAR RGE LEV PR ST II	ITT-BARTON	MOD 764 WS0-32	WP21	1336.0 1730.0 236.0	H	A	CI	*	0117	
LT 1FW 0496 III	LEVEL TRANS MITTER	SG 1C NAR RGE LEV PR ST III	ITT-BARTON	MOD 764 WS0-32	CB21	1544.0 1723.0 236.0	H	A	CI	*	0120	

TAGS INCLUDED: LT 1FW 0474 I ----PI 1FW 2001A SA
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SHEARON HARRIS 1 - MASTER LIST

STEM # & NAME: FW 0009 FEEDWATER

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CEB #	Rev #
LT-1FW 497 TT	LEVEL TRANSMITTER	SG LEVEL IC WD RGE LEV PR ST ?	BARTON	764/1165	CB	X: 1544.0 Y: 1723.0 Z: 236.0	H	A	CI			

SYSTEM # [illegible] MAIN STEAM

TAG NO	EQUIPMENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CIS #	REV #
FT 1MS 0474 ITT	FLOW TRANSM ITTER	SG 1A STEAM FL OW PR ST I I	ITT-BARTON	MOD 764 WSO-325	CB21	1460.0 1725.0 236.0	H	A	CI		0081	
FT 1MS 0475 IV	FLOW TRANSM ITTER	SG 1A STEAM FL OW PR ST IV	ITT-BARTON	MOD 764 WSO-325	CB31	1468.0 1734.0 263.0	H	A	CI		0086	
FT 1MS 0484 ITT	FLOW TRANSM ITTER	SG 1B STEAM FL OW PR ST III	ITT-BARTON	MOD 764 WSO-325	CB21	1490.0 1648.0 236.0	H	A	CI		0098	
FT 1MS 0494 III	FLOW TRANSM ITTER	SG 1C STEAM FL OW PR ST III	ITT-BARTON	MOD 764 WSO-325	CB21	1544.0 1723.0 236.0	H	A	CI		0112	
FT 1MS 0495 IV	FLOW TRANSM ITTER	SG 1C STEAM FL OW PR ST IV	ITT-BARTON	764 WSO-325	CB21	1544.0 1713.0 236.0	H	A	CI		0115	
FT 1MS 0485							H	A	CI			

SYSTEM # & NAME:MS000R-MAIN STEAM

TAG NO	COMPONENT NAME	DESCRIPTION	MANUFACTURER	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2MS-V1SAB-1	SOLENOID VALVE	ISOLATION VAL W TAG NO 301A6	WESTINGH*SE	BY FIELD	AB32	1492.0 1605.0 279.0	H	A	CI	*	2997	
2MS-V1SAB-1	LIMIT SWITCH	ISOLATION VAL W TAG NO 301A6	WESTINGH*SE	BY FIELD	AB32	1492.0 1605.0 279.0	H	A	CI	*	2999	
2MS-V1SAB-1 DELETE	GLOBE 34	FROM PEN M-3TO ISO VAL 2MS-V1 SA1 SPEC PIPE	WESTINGH*SE	BY FIELD	AB32	1492.0 1605.0 279.0	H	A	CI		144[illegible]	
2MS-V2SAB-1	LIMIT SWITCH	ISOLATION VAL W TAG NO 301A6	WESTINGH*SE	BY FIELD	AB32	1502.0 1605.0 279.0	H	A	CI	*	3001	
2MS-V2SAB-1	SOLENOID VALVE	ISOLATION VAL W TAG NO 301A6	WESTINGH*SE	BY FIELD	AB32	1502.0 1605.0 279.0	H	A	CI	*	3000	
2MS-V2SAB-1	GLOBE 34	FROM PENETRAT-ION M-2 TO ISO VAL 2MS-V2SB-1	WESTINGH*SE	BY FIELD	AB32	1502.0 1605.0 279.0	H	A	CI		3701	
2MS-V3SAB-1	GLOBE 34	PEN PEN M-1 TO ISO VAL 2MS-13SA1 SPEC PI-	WESTINGH*SE	BY FIELD	AB32	1512.0 1605.0 279.0	H	A	CI		3702	

TAGS INCLUDED: PK 1MS 030BA1 S----2MS-V1SAB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/86

SYSTEM # & NAME: MS0008-MAIN STEAM

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2MS-V3SA3-1	LIMIT SWITCH	ISOLATION VAL W TAG NO 30IA6	WESTINGH'SE	BY FIELD	AB32	1512.0 1605.0 279.0	H	A	CI	*	3003	
2MS-V3SA8-1	SOLENOID VALVE	ISOLATION VAL W TAG NO 30IA6	WESTINGH'SE	BY FIELD	AB32	1512.0 1605.0 279.0.	H	A	CI	*	3002	

SYSTEM # & NAME: HS0008 MAIN STEAM

Tag No.	Component Name	Function & Service	Manufacturer	Model/Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ. M/M	Funct. Categ.	Safety Funct.	REG. GUIDE 1.97	CER #	Rev #
PTIMS474 I	TRANSMITTER	STEAM FLOW PRESS.	BARTON	763	R.A.B.	X: Y: Z: 261.0	H	D	CI			
PTIMS475 I	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS476 I	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS484 II	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS485 II	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS486 II	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS494 III	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS495 III	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			
PTIMS496 III	"	"	"	"	"	X: Y: Z: 261.0	H	D	CI			

SYSTEM # [illegible]:RC0001-REACTOR COOLANT

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
FT 1RC 0414 I	FLOW TRANSM ITTER	RCS FLOW LOOP 1 PR ST I	ITT-BARTON	MOD 752 WSO-325	CB21	1454.0 1709.0 236.0	H	A	ERS		0042	
FT 1RC 0415 II	FLOW TRANSM ITTER	RCS FLOW LOOP 1 PR ST II	ITT-BARTON	MOD 752 WSO-325	CB21	1456.0 1717.0 236.0	H	A	ERS		0043	
FT 1RC 0416 III	FLOW TRANSM ITTER	RCS FLOW LOOP 1 PR ST III	ITT-BARTON	MOD 752 WSO-325	CB21	1460.0 1725.0 236.0	H	A	ERS		0044	
FT 1RC 0424 I	FLOW TRANSM ITTER	RCS FLOW LOOP 2 PR ST I	ITT-BARTON	MOD 752 WSO-325	CB21	1503.0 1646.0 236.0	H	A	ERS		0056	
FT 1RC 0425 II	FLOW TRANSM ITTER	RCS FLOW LOOP 2 PR ST II	ITT-BARTON	MOD 752 WSO-325	CB21	1496.0 1646.0 236.0	H	A	ERS		0057	
FT 1RC 0426 III	FLOW TRANSM ITTER	RCS FLOW LOOP 2 PR ST III	ITT-BARTON	MOD 752 WSO-325	CB21	1490.0 1648.0 236.0	H	A	ERS		0058	
FT 1RC 0434 I	FLOW TRANSM ITTER	RCS FLOW LOOP 3 PR ST I	ITT-BARTON	MOD 752 WSO-325	CB21	1531.0 1736.0 236.0	H	A	ERS		0069	
FT 1RC 0435 II	FLOW TRANSM ITTER	RCS FLOW LOOP 3 PR ST II	ITT-BARTON	MOD 752 WSO-325	CB21	1536.0 1730.0 236.0	H	A	ERS		0070	
FT 1RC 0436 III	FLOW TRANSM ITTER	RCS FLOW LOOP 3 PR ST III	ITT-BARTON	MOD 752 WSO-325	CB21	1544.0 1723.0 236.0	H	A	ERS		0071	

TAGS INCLUDED: FT 1RC 0414 I ----LI 1RC 0460 SB
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME: RC0001-REACTOR COOLANT

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
LT 1RC 0459 I	LEVEL TRANS MITTER	PRZR LEVEL PR ST I	ITT-BARTON	764 WSO-32	CB21	236.0	H	A	ERC		0413	
LT 1RC 0460 II	LEVEL TRANS MITTER	PRZR LEVEL PR ST II	ITT-BARTON	MOD 764 WSO-32	CB21	1496.0 1646.0 236.0	H	A	ERC		0077	
LT 1RC 0461 III	LEVEL TRANS MITTER	PRZR LEVEL PR ST III	ITT-BARTON	MOD 764 WSL-32	CB21	1490.0 1643.0 236.0	H	A	ERC		0080	

TAGS INCLUDED: LI 1RC 0461.1 S----PI 1RC 0403.2 S
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:RC0001-REACTOR COOLANT

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
TE 1RC 0410 II	TEMPERATURE PRIMARY EL	LOOP 1 COLD LE G(RTDPR ST II	WESTINGH'SE	BY FIELD WSO-32	CB21	1470.0 1703.0 257.0	H	A	ERC	*	0030	
TE 1RC 0412AI	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T (RTD) PR ST I	RDF	BY FIELD WSO-32	CB21	1477.0 1708.0 236.0	H	A	ERC		0034	
TE 1RC 0412BI	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T(RTDPR ST I	RDF	BY FIELD WSO-32	CB21	1476.0 1708.0 236.0	H	A	ERC		0037	
TE 1RC 0412CI	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T(RTDPR ST I	RDF	BY FIELD WSO-32	CB21	1470.0 1704.0 257.0	H	A	ERC		0036	
TE 1RC 0412DI	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T(RTDPR ST I	RDF	BY FIELD WSO-32	CB21	1469.0 1704.0 257.0	H	A	ERC		0035	
TE 1RC 0415 I	TEMPERATURE PRIMARY EL	LOOP 1 HOT LEG (RTD)PR ST I	RDF	BY FIELD WSO-32	CB21	1475.0 1709.0 257.0	H	A	ERC	*	0038	
TE 1RC 0420 II	TEMPERATURE PRIMARY EL	LOOP 2 COLD LE G(RTD(RTD) PR ST II	RDF	1TE 420 WSO-32	CB21	1511.0 1678.0 257.0	H	A	ERC	*	0045	
TE 1RC 0422AII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T (RTD) PR ST II.	RDF	BY FIELD WSO-32	CB21	1512.0 1671.0 257.0	H	A	ERC		0049	
TE 1RC 0422BII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T (RTD) PR ST II	RDF	BY FIELD WSO-32	CB21	1512.0 1672.0 257.0	H	A	ERC		0050	

TAGS INCLUDED: PI 1RC 0404 S ----TE 1RC 0422BII
SORT TYPE:SYSDES,TAG GLORAL REV#- 0 05/01/84

SYSTEM # & NAME RC00Q1-REACTOR COOLANT

TAG NO.	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
TE 1RC 0422CII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T [illegible] PR ST II	RDF	BY FIELD WSO-32	CB21	1511.0 1679.0 257.0	H	A	ERC		0051	
TE 1RC 0422DII	TEMPERATURE: PRIMARY EL	DT-TAVG PROTEC T [illegible] PR S I II	RDF	BY FIELD WSO-32	CB21	1510.0 1680.0 257.0	H	A	ERC		0052	
TE 1RC 0423 I	TEMPERATURE PRIMARY EL	LOOP 2 HOT LEG (RTD)	RDF	BY FIELD WSO-32	CB21	1513.0 1673.0 257.0	H	A	ERC	*	0053	
TE 1RC 0430 II	TEMPERATURE PRIMARY EL	LOOP 3 COLD LEG (RTDPR ST II	RDF	BY FIELD WSO325	CB21	1513.0 1724.0 257.0	H	A	ERC	*	0061	
TE 1RC 0432AIII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T PR ST III	RDF	BY FIELD WSO-32	CB21	1516.0 1718.0 257.0	H	A	ERC		0063	
TE 1RC 0432BIII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T PR ST III	RDF	BY FIELD WSO-32	CB21	1517.0 1719.0 257.0	H	A	ERC		0064	
TE 1RC 0432CIII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T PR ST III	RDF	BY FIELD WSO-32	CB21	1513.0 1725.0 257.0	H	A	ERC		0065	
TE 1RC 0432DIII	TEMPERATURE PRIMARY EL	DT-TAVG PROTEC T PR ST III	RDF	BY FIELD WSO-32	CB21	1513.0 1726.0 257.0	H	A	ERC		0066	
TE 1RC 0433 I	TEMPERATURE PRIMARY EL	LOOP 3 HOT LEG (RTDPR ST I	RDF	BY FIELD WSO-32	CB21	1517.0 1719.0 255.0	H	A	ERC	*	006R	

TAGS INCLUDED: TE 1RC 0422CII ----TI 1RC C413.1 S
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/86

SYSTEM # & NAME:RC0001-REACTOR COOLANT

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
ZS 1RC R530 SA	POSITION SWITCH	PRZR SFTY RELF VLV POS S W 1RC-	CROSBY	BY FIELD EBASCO	CB41	308.0	H	A	ERC		1276	
2RC-D525S9-1	LIMIT SWITCH	W TAG NO 3DA92 R	WESTINGH'SE	BY FIELD	AB21	1556.0 1657.0 245.0	H (M)	D	ERC		3015	
2RC-D525SB-1	SOLENOID VALVE	W TAG NO 3DA92 R	WESTINGH'SE	BY FIELD	AB21	1556.0 1657.0 245.0	H (M)	D	ERC	*	3014	
2RC-D528SA-1	LIMIT SWITCH	W TAG NO 1DA92 R	WESTINGH'SE	BY FIELD	CB21	1508.0 1639.0 255.0	H	A	ERC	*	3017	
2RC-D528SA-1	SOLENOID VALVE	PRT CONN LINE FOR SDT&N2 AT C/B PENTR.	WESTINGH'SE	BY FIELD	CB21	1508.0 1639.0 255.0	H	A	ERC	*	3016	
2RC-D529SB-1	SOLENOID VALVE	W TAG NO. 1DA92R	WESTINGH'S	BY FIELD	AB21	1510.0 1610.0 236.0	H (M)	D	ERC	*	3018	
2RC-D529SB-1	LIMIT SWITCH	W TAG NO. 1DA92R	WESTINGH'SE	BY FIELD	AB21	1510.0 1610.0 236.0	H (M)	D	ERC	*	3019	

SHEARON HARRIS 1 - MASTER LIST

SYSTEM # & NAME: RC 001 REACTOR COOLANT

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	1.97	CEB #	Rev #
PT-IRC402	PRESSURE TRANSMITTER	REACTOR COOLANT SEE ESE-1 TAB "B"	BARTON	763/584	CB	X:1531.0 Y:1736.0 Z:236.0	H	A	ERS			
PT IRC 455	PRESSURE TRANSMITTER	REACTOR COOLANT SEE ESE-1 TAB "B"	BARTON	763/581	CB	X:1456.0 Y:1653.0 Z:236.0	H	A	ERS			
PT IRC 456	PRESSURE TRANSMITTER	REACTOR COOLANT SEE ESE-1 TAB "B"	BARTON	763/582	CB	X:1490.0 Y:1648.0 Z:236.0	H	A	ERS			
PT-IRC 457	PRESSURE TRANSMITTER	REACTOR COOLANT SEE ESE-1 TAB "B"	BARTON	763/583	CB	X:1490.0 Y:1648.0 Z:236.0	H	A	ERS			
PT IRC 403	PRESSURE TRANSMITTER	REACTOR COOLANT LOOP PRESSURE	VERITRAK	76PH2/ N1250023	CB	X: Y: Z:236.0	H	A	ERS			
TE-IRC 0411B	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1478.0 Y:1708.0 Z:236.0	H	A	ERS			
TE-IRC 0411C	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1472.0 Y:1702.0 Z:263.0	H	A	ERS			
TE-IRC 0421B	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1511.0 Y:1676.0 Z:257.0	H	A	ERS			
TE-IRC 0421C	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1509.0 Y:1681.0 Z:257.0	H	A	ERS			
TE-IRC0431B	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1515.0 Y:1716.0 Z:236.0	H	A	ERS			
TE-IRC0431C	TEMPERATURE ELEMENT	REACTOR COOLANT	RdF	21204	CB	X:1513.0 Y:1724.0 Z:236.0	H	A	ERS			

Rev. Pref

SHEARON HARRIS 1 - MASTER LIST

SYSTEM # & NAME: RC 001 REACTOR COOLANT

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	1.97	CEB #	Rev #
IRC-V526SN-1	MOTOR	REACTOR COOLANT SERVING VLV. IRC-V526SN-1	LIMITORQUE	SB-00/ 343 361	CB 41	X: 1484.0 Y: 1666.0 Z: 309.0	H	A	ERS	1		
RC V527SN-1	MOTOR	REACTOR COOLANT SERVING VLV. IRC-V527SN-1	LIMITORQUE	SB-00 352 111	CB 41	X: 1484.0 Y: 1669.0 Z: 309.0	H	A	ERS			
IRC-V528SN-1	MOTOR	REACTOR COOLANT SERVING VLV IRC-V528SN-1	LIMITORQUE	SB-00/ 352 110	CB 21	X: 1459.0 Y: 1701.0 Z: 241.0	H	A	ERS			

SYSTEM # & NAME: RC 001 REACTOR COOLANT (RVLIS)

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/H	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
TE IRC 1313 SA	TEMPERATURE ELEMENT	RVLIS REACTOR HEAD CAPL'RY. INB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1314 SA	TEMPERATURE ELEMENT	RVLIS REACTOR HEAD CAPL'RY. OUTBOARD TEMPERATURE	MINCO		CB		H		ERS			
TE IRC 1315 SA	TEMPERATURE ELEMENT	RVLIS REACTOR HOT LEG CAPILLARY INB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1316 SA	TEMPERATURE ELEMENT	RVLIS REACTOR HOT LEG CAPILLARY OUTB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1317 SA	TEMPERATURE ELEMENT	RVLIS CAPL'RY. TO SEAL TABLE INB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1318 SA	TEMPERATURE ELEMENT	RVLIS CAPL'RY. TO SEAL TABLE OUTB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1319 SA	TEMPERATURE ELEMENT	RVLIS CAPL'RY. FROM SEAL TABLE TEMPERATURE	MINCO		CB		H		ERS			
TE IRC 1323 SB	TEMPERATURE ELEMENT	RVLIS REACTOR HEAD CAPILLARY INB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1324 SB	TEMPERATURE ELEMENT	RVLIS REACTOR HEAD CAPILLARY OUTB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1325 SB	TEMPERATURE ELEMENT	RVLIS REACTOR HOT LEG CAPILLARY INB'RD. TEMP.	MINCO		CB		H		ERS			
TE IRC 1326 SB	TEMPERATURE ELEMENT	RVLIS REACTOR HOT LEG CAPILLARY OUTB'RD. TEMP.	MINCO		CB		H		ERS			

SYSTEM # & NAME: RC 001 REACTOR COOLANT (RVLIS)

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/H	Funct. Categ.	Safety Funct.	Auth. Ref.	CEB #	Rev #
TE IRC 1327 SB	TEMPERATURE ELEMENT	RVLIS CAPLRY. TO SEAL TABLE INB'RD. TEMPERATURE	BARTON		CB		H		RCS			
TE IRC 1328 SB	TEMPERATURE ELEMENT	RVLIS CAPL'RY. TO SEAL TABLE OUTB'RD TEMPERATURE	BARTON		CB		H		RCS			
TE IRC 1329 SB	TEMPERATURE ELEMENT	RVLIS CAPL'RY. FROM SEAL TABLE TEMPERATURE	BARTON		CB		H		RCS			
LIS IRC 1310 SA	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS REACTOR HOT LEG HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LIS IRC 1311 SA	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS REACTOR HEAD HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LIS IRC 1312 SA	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS SEAL TABLE HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LIS IRC 1320 SB	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS REACTOR HOT LEG HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LIS IRC 1321 SB	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS REACTOR HEAD HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LIS IRC 1322 SB	DIFFERENTIAL PRESSURE INDICATING SWITCH	RVLIS SEAL TABLE HYDRAULIC ISOLATOR	BARTON	581	CB		H		RCS			
LT IRC 1310 SA	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL PLENNUM LEVEL	BARTON	752	CB		H		RCS			
LT IRC 1311 SA	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL NARROW RANGE LEVEL	BARTON	752	CB		H		RCS			

SHEARON HARRIS 1 - MASTER LIST

SYSTEM # & NAME: RC 001 REACTOR COOLANT (RVLIS)

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
LT IRC 1312 SA	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL WIDE RANGE LEVEL	BARTON	752	CB		H	I	RCS			
LT IRC 1320 SB	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL PLENNUM LEVEL	BARTON	752	CB		H	I	RCS			
LT IRC 1321 SB	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL NARROW RANGE LEVEL	BARTON	752	CB		H	I	RCS			
LT IRC 1322 SB	LEVEL TRANSMITTERS	RVLIS REACTOR VESSEL WIDE RANGE LEVEL	BARTON	752	CB		H	I	RCS			

SYSTEM # & NAME: REACTOR PROTECTION SYSTEM

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/N	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
NE 41	NEUTRON DETECTOR	POWER RANGE EXCORE NUCLR INSTRUMENTATION	WESTINGHOUSE	WL23686	CB		H	A				
NE42	NEUTRON DETECTOR	POWER RANGE EXCORE NUCLR INSTRUMENTATION	WESTINGHOUSE	WL23686	CB		H	A				
NE43	NEUTRON DETECTOR	POWER RANGE EXCORE NUCLR INSTRUMENTATION	WESTINGHOUSE	WL23686	CB		H	A				
NE44	NEUTRON DETECTOR	POWER RANGE EXCORE NUCLR INSTRUMENTATION	WESTINGHOUSE	WL23686	CB		H	A				

SYSTEM # & NAME: RH0003-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CCS #	REV #
S1RH602A SA	FLOW SWITCH	RESID HT REM PMP 1A FLOW	ITT-HARTON	288A WSO-325	AB 11	216.0	H.	D(A)	CRHR		3461	
S 1RH602B SA	FLOW SWITCH	RESID HT REM PMP 1B FLOW	ITT-BARTON	288A WSO-325	AB 11	216.0	H.	D(A)	CRHR		3462	

TAGS INCLUDED: FCV 1RH0602A SA----TI 1RH [illegible]3665 S
SORT TYPE:SYSDES,TAG GLOBAL REV#- [illegible]

YSTEM # 6 NAME-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
1RH-V5005B-1	LIMIT SWITCH	W TAG NO 12GM8 8SEH	WESTINGH'SE	BY FIELD	CB21	1520.0 1702.0 251.0	M	A	RHR		2772	

SYSTEM # & NAME:RH0073-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
1RH-V500SB-1	MOTOR OPERATOR	W TAG NO 12GM8 8SEH	WESTINGH*SE	BY FIELD	CB21	1520.0 1702.0 251.0	H	A	RHR		2771	
1RH-V500SB-1	GATE 12	RCS LOOP 3 HL TO RHR PUMP SUCTION	WESTINGH*SE	BY FIELD	CB21	1520.0 1702.0 251.0	H	A	CRHR		3719	
1RH-V501SA-1	GATE 12	W TAG NO 12GM8 8SEH W/LS	WESTINGH*SE	BY FIELD	CB11	1548.0 1682.0 230.0	H	A	CRHR		3720	
1RH-V501SA-1	LIMIT SWITCH	RCS LOOP 3 HL TO RHR PUMP SUCTION	WESTINGH*SE	BY FIELD	CB11	1548.0 1682.0 230.0	H	A	CRHR		2773	
1RH-V501SA-1	MOTOR OPERATOR	W TAG NO 12GM8 8SEH W/LS	WESTINGH*SE	BY FIELD	CB11	1548.0 1682.0 230.0	H	A	CRHR		2774	
1RH-V502SB-1	LIMIT SWITCH	W TAG NO 12GM8 8SEH W/LS PER CQL-3146 P	WESTINGH*SE	BY FIELD	CB21	1480.0 1702.0 251.0	H	A	CRHR		2776	
1RH-V502SB-1	MOTOR OPERATOR	W TAG NO 12GM8 8SEH W/LS PER CQL-3146 P	WESTINGH*SE	BY FIELD	CB21	1480.0 1702.0 251.0	H	A	CRHR		2775	
1RH-V502SB-1	GATE 12	RCS LOOP 1 HL TO RHR PUMP SUCTION	WESTINGH*SE	BY FIELD	CB21	1480.0 1702.0 251.0	H	A	CRHR		3717	
1RH-V503SA-1	GATE 12	RCS LOOP 1 HL TO RHR PUMP SUCTION	WESTINGH*SE	BY FIELD	CB11	1457.0 1676.0 230.0	H	A	CRHR		3718	
1RH-V503SA-1	MOTOR OPERATOR	W TAG NO 12GM8 8SEH	WESTINGH*SE	BY FIELD	CB11	1457.0 1676.0 230.0	H	A	CRHR		2777	
1RH-V503SA-1	LIMIT SWITCH	W TAG NO 12GM8 8SEH	WESTINGH*SE	BY FIELD	CB11	1457.0 1676.0 230.0	H	A	CRHR		2778	
2RH-F512SB-1	MOTOR OPERATOR	W TAG NO 2TM 7 8SN	WESTINGH*SE	BY FIELD	AB21	1574.0 1619.0 236.0	H M	D	CRHR		3020	

TAGS INCLUDED: 1RH-V500SB-1 ----2RH-F512SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME: RH0003-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2RH-F512SB-1	LIMIT SWITCH	W TAG NO 2TM 7 8SN	WESTINGH'SE	BY FIELD	AB21	1574.0 1619.0 236.0	H (M)	D	CRHR		3021	
2RH-F513SA-1	MOTOR OPERATOR	RHR PUMP 1A-SA MIN FLOW RECIRC	WESTINGH'SE	BY FIELD	AB21	1426.0 1623.0 236.0	H (M)	D	CRHR		3022	
2RH-F513SA-1	LIMIT SWITCH	W TAG NO 2TM 7 8SN	WESTINGH'SE	BY FIELD	AB21	1426.0 1623.0 236.0	H (M)	D	CRHR		3023	
2RH-V506SB-1	GATE 8	RHR HT EXC 1B-SB DISCHARGE TO CVCS CHG	WESTINGH'SE	BY FIELD	AB21	1567.0 1579.0 236.0	H	A	CRHR		3716	
2RH-V506SB-1	MOTOR OPERATOR	W TAG NO 8GM74 FE	WESTINGH'SE	BY FIELD	AB21	1567.0 1579.0 236.0	H	A	CRHR		3024	
2RH-V506SB-1	LIMIT SWITCH	W TAG NO 8GM74 FE	WESTINGH'SE	BY FIELD	AB21	1567.0 1579.0 236.0	H	A	CRHR		3025	
2RH-V507SA-1	LIMIT SWITCH	W TAG NO 8GM74 FE	WESTINGH'SE	BY FIELD	AB21	1436.0 1579.0 236.0	H	A	CRHR		3027	
2RH-V507SA-1	MOTOR OPERATOR	RHR HT EXC 1A-SA DISCH TO CVCS CHG PMP	WESTINGH'SE	BY FIELD	AB21	1436.0 1579.0 236.0	H	A	CRHR		3026	

TAGS INCLUDED: 2RH-F512SB-1 ----2RH-V507SA-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # 5 NAME:RH0003-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2RH-V507SA-1	GATE R	W TAG NO 8GM74 FE	WESTINGH'SE	BY FIELD	AB21	1434.0 1579.0 236.0	H	A	CRHR		3714	

SYSTEM # & NAME: RH003 RESIDUAL HEAT REMOVAL

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CER #	Rev #
1A-SA (ITEM AFRH)	MOTOR	RESIDUAL HEAT REMOVAL PUMP	WESTINGHOUSE	VSWI 74F18135-13-75	RAB	X:1554-3 Y:1633-9 Z:195-0	H (M)	D	CRHR			
1B-SB	MOTOR	RESIDUAL HEAT REMOVAL PUMP	WESTINGHOUSE	VSWI 74-F12618-23-75	RAB	X:14[illegible] Y:163[illegible] Z:195-0	H (M)	D	CRHR			

SYSTEM # & NAME:S1003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
TE 1SI 0910A1 S A	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SI MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1341	
TE 1SI 0910A2 S W	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1342	
TE 1SI 0910A3 S A	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA MTR WINDI NG TEMP (TC)	WESTINGH*SE	WSO-20505	AB21	1485.0 1593.0 236.0	H	A	ERS		1343	
TE 1SI 0910A4 S A	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1344	
TE 1SI 0910B1 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1351	
TE 1SI 0910B2 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1350	
TE 1SI 0910B3 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB MTR WINDI NG TEMP	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1349	
TE 1SI 0910B4 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB MTR WINDI NG TEMP	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1352	
TE 1SI 0910B5 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB MTR WINDI NG TEMP	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1353	
TE 1SI 0910B6 S B	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -2B MTR WINDI NG TEMP	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1354	
TE 1SI 0911A SA	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA UPPER BRG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1347	
TE 1SI 0911B SB	TEMPERATURE PRIMARY EL	CHRG SI PMP 1B -SB UPPER BRG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1532.0 1593.0 236.0	H	A	ERS		1355	

TAGS INCLUDED: TE 1SI 0910A1 S----TE 1SI 0911B SB
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM A[redacted]PF:SI003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	[redacted]	REV #
2SI-V500SA-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1452.0 1648.0 236.0	H (M)	D	ERS		3028	
2SI-V500SA-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1452.0 1648.0 236.0	H (M)	D	ERS		3029	
2SI-V500SA-1	GATE 3	HIGH HEAD INJ OUTLET HEADER TO RCS HL	WESTINGH'SE	BY FIELD	AB21	1452.0 1648.0 236.0	H (M)	D	ERS		3731	
2SI-V501SB-1	GATE 3	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1484.0 1630.0 230.0	H (M)	D	ERS		3727	

TAGS INCLUDED: TE 1SI 0912A SA----2SI-V501SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:S1003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V501SB-1	MOTOR OPERATOR	HIGH HEAD INJ OUTLET HEADER TO RCS HL	WESTINGH'SE	BY FIELD	AB11	1484.0 1630.0 230.0	H M	D	ERS		3030	
2SI-V501SB-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1484.0 1630.0 230.0	H M	D	ERS		3031	
2SI-V502SA-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1568.0 1679.0 236.0	H M	D	ERS		3032	
2SI-V502SA-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB21	1568.0 1679.0 236.0	H M	D	ERS		3033	
2SI-V503SA-1	MOTOR OPERATOR	HIGH HEAD INJ TO BIT	WESTINGH'SE	BY FIELD	AB11	1548.0 1604.0 217.0	H M	D	ERS		3034	
2SI-V503SA-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1548.0 1604.0 217.0	H M	D	ERS		3035	
2SI-V503SA-1	GATE 3	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1548.0 1604.0 217.0	H M	D	ERS		3726	
2SI-V504SB-1	GATE 3	INLET TO BIT UPSTREAM OF INLET SHUTOFF	WESTINGH'SE	BY FIELD	AB11	1550.0 1604.0 217.0	H M	D	ERS		3728	
2SI-V504SB-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1550.0 1604.0 217.0	H M	D	ERS		3036	
2SI-V504SB-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1550.0 1604.0 217.0	H M	D	ERS		3037	
2SI-V505SB-1	MOTOR OPERATOR	BIT OUTLET DOWNSTREAM OF SHUTOFF VALVES	WESTINGH'SE	BY FIELD	AB11	1540.0 1640.0 230.0	H M	D	ERS		3038	
2SI-V505SB-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH'SE	BY FIELD	AB11	1540.0 1640.0 230.0	H M	D	ERS		3039	

TAGS INCLUDED: 2SI-V501SB-1 ----2SI-V505SB-1
SORT TYPE:SYSDES.TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:S1003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/P	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V505SB-1	GATE 3	W TAG NO 3GM78 FN	WESTINGH*SE	BY FIELD	AB11	[illegible] 1640.0 230.0	H M		ERS		3730	
2SI-V506SA-1	GATE 3	BIT OUTLET TO RCS CL	WESTINGH*SE	BY FIELD	AB11	1539.0 1638.0 230.0	H M	D	ERS		3729	
2SI-V506SA-1	MOTOR OPERATOR	W TAG NO 3GM78 FN	WESTINGH*SE	BY FIELD	AB11	1539.0 1638.0 230.0	H M	D	ERS		3040	
2SI-V506SA-1	LIMIT SWITCH	W TAG NO 3GM78 FN	WESTINGH*SE	BY FIELD	AB11	1539.0 1638.0 230.0	H M	D	ERS		3041	
2SI-V515SA-1	SOLENOID VALVE	BIT RECIRC LINE TO VALVE 2SI-V515SA-1	WESTINGH*SE	BY FIELD	AB11	1545.0 1604.0 221.0	H M	D	ERS		3042	
2SI-V515SA-1	LIMIT SWITCH	W TAG NO 1IA78 RE	WESTINGH*SE	BY FIELD	AB11	1545.0 1604.0 221.0	H M	D	ERS		3043	
2SI-V516SB-1	LIMIT SWITCH	W TAG NO 1IA78 RE	WESTINGH*SE	BY FIELD	AB11	1543.0 1604.0 221.0	H M	D	ERS		3045	
2SI-V516SB-1	SOLENOID VALVE	W TAG NO 1IA78 RE	WESTINGH*SE	BY FIELD	AB11	1543.0 1604.0 221.0	H M	D	ERS		3044	
2SI-V517SA-1	SOLENOID VALVE	W TAG NO 1IA78 RE	WESTINGH*SE	BY FIELD	AB11	1541.0 1604.0 217.0	H M	D	ERS		3046	
2SI-V517SA-1	LIMIT SWITCH	BI RECIRC PUMPS DIS-CHARGE	WESTINGH*SE	BY FIELD	AB11	1541.0 1604.0 217.0	H M	D	ERS		3047	
2SI-V530-SB-1	SOLENOID VALVE	W TAG NO 1IA68 RES	WESTINGH*SE	BY FIELD	AB21	1511.0 1626.0 255.0	H M	D	ERS	*	3048	
2SI-V530-SB-1	LIMIT SWITCH	W TAG NO 1IA68 RES	WESTINGH*SE	BY FIELD	AB21	1511.0 1626.0 255.0	H M	D	ERS	*	3049	

TAGS INCLUDED: 2SI-V505SB-1 ----2SI-V530-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME:SI003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V535SA-1	MOTOR OPERATOR	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1537.0 1736.0 254.0	H	A	ERS		3050	
2SI-V535SA-1	LIMIT SWITCH	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1537.0 1736.0 254.0	H	A	ERS		3051	
2SI-V535SA-1	GATE 12	ACCUM TK 1C-SA INJ LINE TO RCS CL LOOP 3	WESTINGH'SE	BY FIELD	CB21	1537.0 1736.0 254.0	H	A	ERS		3734	
2SI-V536SB-1	GATE 12	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1518.0 1652.0 249.0	H	A	ERS		3733	
2SI-V536SB-1	LIMIT SWITCH	ACCUM 1B-SB INJ LINE TO RCS CL LOOP 2	WESTINGH'SE	BY FIELD	CB21	1518.0 1652.0 249.0	H	A	ERS		3053	
2SI-V536SB-1	MOTOR OPERATOR	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1518.0 1652.0 249.0	H	A	ERS		3052	
2SI-V537SA-1	LIMIT SWITCH	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1448.0 1716.0 250.0	H	A	ERS		3055	
2SI-V537SA-1	MOTOR OPERATOR	W TAG NO 12GM8 8FNH	WESTINGH'SE	BY FIELD	CB21	1448.0 1716.0 250.0	H	A	ERS		3054	
2SI-V537SA-1	GATE 12	ACCUM 1A-SA INJ LINE TO RCS CL LOOP 1	WESTINGH'SE	BY FIELD	CB21	1448.0 1716.0 250.0	H	A	ERS		3732	
2SI-V55CS9-1	LIMIT SWITCH	W TAG NO 3/4IA 78RE	WESTINGH'SE	BY FIELD	AB21	1546.0 1645.0 236.0	H M	D	ERS	*	3057	
2SI-V550SB-1	SOLENOID VALVE	W TAG NO 3/4IA 78RE	WESTINGH'SE	BY FIELD	AB21	1546.0 1645.0 236.0	H M	D	ERS	*	3056	
2SI-V554SB-1	SOLENOID VALVE	W TAG NO 11A78 RE	WESTINGH'SE	BY FIELD	AB21	1543.0 1644.0 249.0	H M	D	ERS	*	3058	

TAGS INCLUDED: 2SI-V535SA-1 ----2SI-V554SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # NAME:S1003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V554SB-1	LIMIT SWITCH	W TAG NO 11A78 RE	WESTINGH'SE	BY FIELD	AB21	1543.0 1644.0 249.0	H M	D	ERS	*	3059	
2SI-V555SA-1	SOLENOID VALVE	ACCUM TEST LINE AT PENETRATION	WESTINGH'SE	BY FIELD	CB21	1540.0 1651.0 255.0	H	A	ERS	*	3060	
2SI-V555SA-1	LIMIT SWITCH	W TAG NO 3/4IA 78RE	WESTINGH'SE	BY FIELD	CB21	1540.0 1651.0 255.0	H	A	ERS	*	3061	
2SI-V570SB-1	MOTOR OPERATOR	W TAG NO 14GM7 4FEH	WESTINGH'SE	BY FIELD	AB01	1545.0 1644.0 190.0	H M	D	ERS		3062	
2SI-V570SB-1	LIMIT SWITCH	W TAG NO 14GM7 4FEH	WESTINGH'SE	BY FIELD	AB01	1545.0 1644.0 190.0	H M	D	ERS		3063	
2SI-V570SB-1	GATE 14	SUCTION LINE TO RHR PUMP 1B -SB FROM CONT-	WESTINGH'SE	BY FIELD	AB01	1545.0 1644.0 190.0	H M	D	ERS		3737	
2SI-V571SA-1	GATE 14	W TAG NO 14GM7 4FEH	WESTINGH'SE	BY FIELD	AB01	1455.0 1644.0 190.0	H M	D	ERS		3735	
2SI-V571SA-1	MOTOR OPERATOR	W TAG NO 14GM7 4FEH	WESTINGH'SE	BY FIELD	AB01	1455.0 1644.0 190.0	H M	D	ERS		3064	
2SI-V571SA-1	LIMIT SWITCH	SUCTION LINE TO RHR PUMP 1A -SA FROM CONT-	WESTINGH'SE	BY FIELD	AB01	1455.0 1644.0 190.0	H M	D	ERS		3065	
2SI-V572SB-1	LIMIT SWITCH	W TAG NO 14GM7 4FE	WESTINGH'SE	BY FIELD	AB01	1548.0 1634.0 190.0	H M	D	ERS		3067	
2SI-V572SB-1	MOTOR OPERATOR	W TAG NO 14GM7 4FE	WESTINGH'SE	BY FIELD	AB01	1548.0 1634.0 190.0	H M	D	ERS		3066	
2SI-V572SB-1	GATE 14	SUCTION LINE TO RHR PUMP 1B -SB FROM CONT-	WESTINGH'SE	BY FIELD	AB01	1548.0 1634.0 190.0	H M	D	ERS		3738	

TAGS INCLUDED: 2SI-V554SB-1 ----2SI-V572SB-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SYSTEM # & NAME: SI003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V573SA-1	GATE 14	W TAG NO 14GM7 4FE	WESTINGH'SE	BY FIELD	AB01	1452.0 1634.0 190.0	H (M)	D	ERS		3736	
2SI-V573SA-1	LIMIT SWITCH	W TAG NO 14GM7 4FE	WESTINGH'SE	BY FIELD	AB01	1452.0 1634.0 190.0	H (M)	D	ERS		3069	
2SI-V573SA-1	MOTOR OPERATOR	SUCTION LINE TO RHR PUMP 1A -SA FROM CONT-	WESTINGH'SE	BY FIELD	AB01	1452.0 1634.0 190.0	H (M)	D	ERS		3068	
2SI-V574SB-1	LIMIT SWITCH	W TAG NO 14GM7 4FE W/LS	WESTINGH'SE	BY FIELD	AB01	1548.0 1626.0 190.0	H (M)	D	ERS		3071	
2SI-V574SB-1	MOTOR OPERATOR	W TAG NO 14GM7 4FE W/LS	WESTINGH'SE	BY FIELD	AB01	1548.0 1626.0 190.0	H (M)	D	ERS		3070	
2SI-V574SB-1	GATE 14	RWST OUTLET TO RHR PUMP 1B-SB SUCTION	WESTINGH'SE	BY FIELD	AB01	1548.0 1626.0 190.0	H (M)	D	ERS		3740	
2SI-V575SA-1	GATE 14	RWST OUTLET TO RHR PUMP 1A-SA SUCTION	WESTINGH'SE	BY FIELD	AB01	1452.0 1626.0 190.0	H (M)	D	ERS		3739	
2SI-V576SB-1	GATE 10	LOW HEAD INJ CROSS CONNECT- ION TO RCS HL	WESTINGH'SE	BY FIELD	AB21	1570.0 1632.0 236.0	H (M)	D	ERS		3741	
2SI-V576SB-1	LIMIT SWITCH	W TAG NO 10GM7 4FE	WESTINGH'SE	BY FIELD	AB21	1570.0 1632.0 236.0	H (M)	D	ERS		3073	
2SI-V576SB-1	MOTOR OPERATOR	W TAG NO 10GM7 4FE	WESTINGH'SE	BY FIELD	AB21	1570.0 1632.0 236.0	H (M)	D	ERS		3072	
2SI-V577SA-1	MOTOR OPERATOR	LOW HEAD INJ CROSS CONNECT- ION TO RCS HL	WESTINGH'SE	BY FIELD	AB21	1525.0 1626.0 236.0	H (M)	D	ERS		3074	
2SI-V577SA-1	LIMIT SWITCH	W TAG NO 10GM7 4FE	WESTINGH'SE	BY FIELD	AB21	1525.0 1626.0 236.0	H (M)	D	ERS		3075	

TAGS INCLUDED: 2SI-V573SA-1 ----2SI-V577SA-1
SORT TYPE:SYSDES,TAG GLOBAL REV#- 0 05/01/84

SHEARON HARRIS 1 - MASTER LIST

SYSTEM # & NAME: SI003A SAFETY INJECTION

Tag No.	Component Name	Function & Service	Manufacturer	Model/ Ser.	Plant Loc.	Location X,Y,Z	Environm. Categ M/M	Funct. Categ.	Safety Funct.	Auth. Ref.	CEB #	Rev #
1A-SA (ITEM APCH)	MOTOR	CENTRIFUGAL CHARGING PUMP	WESTINGHOUSE	HSDP/ 73F6952315 -74	RAB	X:1487' Y:1583'-8" Z:238'-11"	H	D	ERS			
1B-SB (ITEM APCH)	MOTOR	CENTRIFUGAL CHARGING PUMP	WESTINGHOUSE	HSDP/ 73F6952325 -74	RAB	X:1510'-3" Y:1583'-8" Z:238'-11"	H	D	ERS			
1C-SC (ITEM APCH)	MOTOR	CENTRIFUGAL CHARGING PUMP	WESTINGHOUSE	HSDP/ 73F6952335 -74	RAB	X:1533'-6" Y:1583'-8" Z:238'-11"	H	D	ERS			
TE 1SI 0915 SAB	TEMPERATURE PRIMARY EL	CENTRFUGAL CHRG. SI PUMP 1C-SAB BEARING TEMP.	WESTINGHOUSE		AB 21	X:1508.0 Y:1593.0 Z:236.0	H		ERS			
TE 1SI 0916 SAB	TEMPERATURE PRIMARY EL	CENTRIFUGAL CHARG SI PUMP 1C-SAB BEARING TEMP.	WESTINGHOUSE		AB 21	X:1508.0 Y:1593.0 Z:236.0	H		ERS			

SYSTEM # 5 NAME:S1003A-SAFETY INJ.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SI-V577SA-1	GATE 10	W TAG NO 10GM7 4FE	WESTINGH*SE	BY FIELD	AB21	1525.0 1626.0 236.0	H M	D	ERS		3742	
2SI-V578SB-1	GATE 10	LOW HEAD INJ TO RCS CL FROM RHR PUMP 1B-SB	WESTINGH*SE	BY FIELD	AB21	1564.0 1660.0 236.0	H M	D	ERS		3744	
2SI-V578SB-1	LIMIT SWITCH	W TAG NO 10GM7 8FN	WESTINGH*SE	BY FIELD	AB21	1564.0 1660.0 236.0	H M	D	ERS		3077	
2SI-V578SB-1	MOTOR OPERATOR	W TAG NO 10GM7 8FN	WESTINGH*SE	BY FIELD	AB21	1564.0 1660.0 236.0	H M	D	ERS		3076	
2SI-V579SA-1	MOTOR OPERA TOR	LOW HEAD INJ TO RCS CL FROM RHR PUMP 1A-SA	WESTINGH*SE	BY FIELD	AB21	1516.0 1627.0 236.0	H M	D	ERS		3078	
2SI-V579SA-1	LIMIT SWITCH	W TAG NO 10GM7 8FN	WESTINGH*SE	BY FIELD	AB21	1516.0 1627.0 236.0	H M	D	ERS		3079	
2SI-V579SA-1	GATE 10	W TAG NO 10GM7 8FN	WESTINGH*SE	BY FIELD	AB21	1516.0 1627.0 236.0	H M	D	ERS		3745	
2SI-V587SA-1	GATE 10	SIS LOW HEAD INJ TO RCS HL	WESTINGH*SE	BY FIELD	AB21	1430.0 1674.0 245.0	H M	D	ERS		3743	
2SI-V587SA-1	LIMIT SWITCH	W TAG NO 10GM 78FN	WESTINGH*SE	BY FIELD	AB21	1430.0 1674.0 245.0	H M	D	ERS		3081	
2SI-V587SA-1	MOTOR OPERATOR	W TAG NO 10GM 78FN	WESTINGH*SE	BY FIELD	AB21	1430.0 1674.0 245.0	H M	D	ERS		3080	
TE 1SI 091045 S A	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1345	
TE 1SI 091046 S A	TEMPERATURE PRIMARY EL	CHRG SI PMP 1A -SA MTR WINDI NG TEMP (TC)	WESTINGH*SE	BY FIELD WSO-205	AB21	1485.0 1593.0 236.0	H	A	ERS		1346	

SYSTEM # & NAME:WG0042-WASTE PROC. (GAS)

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2WG-D291SB-1	DIAPHRAGM 3/4	HYDROGEN SUPPLY TO RCDT	WESTINGH*SE	BY FIELD	AB21	1510.0 1630.0 236.0	H M	D		*	4129	
2WG-D590SA-1	LIMIT SWITCH	W TAG NO 314 D A62R	WESTINGH*SE	BY FIELD	CB21	1507.0 1638.0 242.0	H	A		*	3197	
2WG-D590SA-1	SOLENOID VALVE	W TAG NO 314 D A62R	WESTINGH*SE	BY FIELD	CB21	1507.0 1638.0 242.0	H	A		*	3196	

SYSTEM # & NAME:WL0043-WASTE PROC. (LIQUID)

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2WL-D650SR-1	DIAPHRAGM 3	RCDT HX OUTLET HDR	WESTINGH'SE	BY FIELD	AB11	1493.0 1630.0 230.0	H (M)	D		*	1504	
2WL-D651SN-1	DIAPHRAGM 3	BY PASS A ROUND 2WL-L600 SN-1	WESTINGH'SE	BY FIELD	CB11		H	A		*	4120	
2WL-L600SA-1	LIMIT SWITCH	W TAG LCV-1003	WESTINGH'SE	BY FIELD	CB11	1497.0 1638.0 230.0	H	A		*	3201	
2WL-L600SA-1	SOLENOID VALVE	W TAG LCV-1003	WESTINGH'SE	BY FIELD	CB11	1497.0 1638.0 230.0	H	A		*	3200	

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: ICS-L500SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: LET DOWN LINE ISO. VALVE - SERVING VALVE ICS-L500 SN-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	4.7 E6 3.4 E7		FSAR APP. 3.11.B-19 CONT. RAD. ZONE C5			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD #: SH.#0251	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1461.0 Y- 1703.0 Z- 241.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2165G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

SAR ENV CAT: A
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165.G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONT. SYS.
TAG: ICS-L500SN-1

A/E: EPICO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION

TAG NO : ICS-L500SN-1

EQUIPMENT TYPE: VALVE

COMPONENT: LIMIT SW.

MANUFACTURER: NAMCO

MAJOR SUPPLIER : COPES VULCAN

MODEL AND SERIAL #: D2400X

FUNCT.DES & SERVICE: LET DOWN LINE ISOL. VALVE-SERVING VALVE ICS-L500SN-1

ACCUR. SPEC: N/A

ACCUR. DEM.: N/A

SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02

P.O #: 183622 CHD # : SH.#025

PLANT LOC.: C.B. 21

COORDINATES X- 1461.0 Y- 1703.0 Z- 241.0

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS
	1	2	3	4	5	6	7
OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/	
TEMPERATURE	120°F NORM FSAR. FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H	
PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H	
RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H	
CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H	
R GAMMA A BETA D SHIELD T.I.D.	4.7 E6 3.4 E7		FSAR APP. 3.11.B-19 CONT. RAD. ZONE C5			/ H	
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/ /	
SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.: APPENDIX E	

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING : N/A
EQ.DOC.LOC: 9.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION:
AUTH. REFERENCE:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : CHEM. & VOLU. CONT. SYS.
TAG : ICS-L500SN-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: 1CS-L501SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 83/654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: LET DOWN LINE ISO. VALVE - SERVING VALVE 1CS-L501SN-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	4.7 E6 3.4 E7		FSAR APP. 3.11.B-19 CONT. RAD. ZONE C5			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD #: SM.#0250	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1459.0 Y- 1701.0 Z- 241.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.: APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONT. SYS.
TAG: 1CS-L501SN-1

A/E: [illegible]CO SERVICES INC. | FACILITY: SHEARON [illegible] HIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTI[illegible] AROLINA POWER & LIGHT | COMPONENT EVALUA[illegible] HEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	DUTS ITEMS (7)	
TAG NO: ICS-L501SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN									SUBCOMPONENTS:
MODEL AND SERIAL #: D2400X	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCTIONS & SERVICE: LET DOWN LINE ISO. VALVE - SERVING VALVE ICS-L501SN-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD • T.I.D.	4.7 E6 3.4 E7		FSAR APP. 3.11.B-19 CONT. RAD. ZONE C5			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD #: SH.#0250	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1459.0 Y- 1701.0 Z- 241.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

SAR ENV CAT: A
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONT. SYS.
TAG: ICS-L501SN-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | W/- 0
UTILI[illegible] ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]ECT | CAPACITY: 900 MW(E) | S#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: ICS V509 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE AIR OPERATED									ACCEL TEMP:
COMPONENT: SOL. VALVE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. DES: & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.15 E6 1.7 E7 100% BETA 1.1 E6		FSAR SECT 3.11.B-18 CONT. RAD. ZONE C1			H		
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CHD #: SH. 289	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: RCS EXCESS LETDOWN
PLANT LOC.: C.B.									
COORDINATES X- 1523.0 Y- 1730.0 Z- 241.0	SUBMERGED	228.3 YES		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2165 G138 (F-17)
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC: W.R.O. 183622

SAR ENV CAT:
10588 CATEG.: C
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G803
VENDOR DWG. 1364-2936

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: ICS V509 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

TAG NO: ICS V509 SB-1

EQUIPMENT TYPE: VALVE AIR OPERATED

COMPONENT: LIMIT SW.

MANUFACTURER: NAMCO

MAJOR SUPPLIER: COPES VULCAN

MODEL AND SERIAL #: EA170 11302

FUNCT. USE & SERVICE:

ACCUM. SPEC: N/A

ACCUM. DEM.: N/A

SPECIFICATIONS: PROJ. E-SPEC. 678959, R2; GEN. E-SPEC. 678844, R2

P.O #: 183622 CMD #: SH. 289

PLANT LOC.: C.B.

COORDINATES X- 1523.0 Y- 1730.0 Z- 241.0

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G138(F-17)
PHYS DWG LOC:
MOUNTING:
EW.DUC.LOC: w/P.O. 183622

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/H (6)	OUTS ITEMS (7)
	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/	
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H	
	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H	
	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ H	
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/	
	R GAMMA A BETA D SHIELD T.I.D.	1.15 E6 1.7 E7 100% BETA 1.1 E6		FSAR SECT 3.11.B-18 CONT. RAD. ZONE C1			/ H	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/	
	SUBMERGED	228.3 YES		FSAR SECT. 3.6			/	

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	C
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G 803
VENDOR DWG. 1364-2936

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION: RCS EXCESS LETDOWN
AUTH. REFERENCE:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: ICS V509 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: ICS V510 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE AIR OPERATED									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120° F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 FOR DBA			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: EA170 11302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5-1			/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.15 E6 1.7 E7 100% BETA 1.1 E6		FSAR SECT. 3.11B-18 CONT. RAD. ZONE C1			/ H		
SPECIFICATIONS: PROJ. E-SPEC. 6788959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183662 CWO #: SH.288	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: RCS EXCESS LETDOWN
PLANT LOC.: C.B.									
COORDINATES X- 1525.0 Y- 1730.0 Z- 241.0	SUBMERGED	228-3 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2165 G183(F-17)
PHYS DWG LOC:
MOUNTING:
EW.DUC.LOC: w/ P.O. 183662

SAR ENV CAT: A
10588 CATEG.: C
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAGRAM 2165-G 803
VENDOR DWG. 1364-2936

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: ICS V510 SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NO.1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILI[illegible] ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]CT CAPACITY: 900 MW(E) S#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: ICS V510 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE AIR OPERATED									ACCEL TEMP:
COMPONENT: SOL. VALVE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H.		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. DES: & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.15 E6 1.7 E7 100% BETA 1.1E6		FSAR SECT. 3.11.B-18 CONT. RAD. ZONE C1			H		
ACCUR. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CHD #: SH.288	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: RCS EXCESS LETDOWN
PLANT LOC.: C.B.									
COORDINATES X- 1525.0 Y- 1730.0 Z- 241.0	SUBMERGED	228.3		FSAR SECTION 3.6					
INSTALLED (Y/N):		YES							AUTH. REFERENCE:
INSTAL. REF:									
QUALIF EXEMPTN:									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	C
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G138 (F-17)
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC: w/ P.O. 183662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. 2165 G 803
VENDOR DWG. 1364-2936

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: ICS V510 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2CS-V511SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE GLOBE									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V511SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.8-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W.PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD #: SK*0284	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1459.0 Y- 1670.0 Z- 248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARA-METER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	10588 CATEG.:	
	APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONT.
TAG: 2CS-V511SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/H	7 OUTS ITEMS	
TAG NO: 2CS-V511SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE GLOBE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-11302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCTIONS & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V511SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: N. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD # ISK#0287	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1459.0 Y- 1670.0 Z- 248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2165G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

SAR ENV CAT: A
10588 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONT.
TAG: 2CS-V511SA-1

A/E: QUASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: 2CS-V512SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE GLOBE									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 83/654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V512SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 67895902 W.E. SPEC. 678844 02									
P.O #: 183622 CHD # SH.#0285	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X- 1458.0 Y- 1669.0 Z- 248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLUME CONTROL
TAG: 2CS-V512SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2CS-V512SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE GLOBE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-11302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V512SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1.			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP 3.11.8-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD # SK#0285	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B. 21									
COORDINATES X-1458.0 Y-1669.0 Z-248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
10588 CATEG.: APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONTROL
TAG: 2CS-V512SA-1

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	DUTS ITEMS (7)	
TAG NO: 2CS-V513SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE GLOBE									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN									SUBCOMPONENTS:
MODEL AND SERIAL #: FT831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V513SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959.02 W.E. SPEC. 6784402									
P.O #: 183622 CHO # SH#0286	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.21									
COORDINATES X-1458.0 Y-1669.0 Z-248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG. REF: CAR-2165-G138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ. DOC. LOC: 3.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLUME CONTROL
TAG: 2CS-V513SA-1

A/E: [redacted] D SERVICES INC. FACILITY: SHEARON [redacted] IS NO.1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTIL [redacted] AROLINA POWER & LIGHT COMPONENT EVALUAT [redacted] HEET CAPACITY: 900 MW(E) [redacted] CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2CS-V513SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE GLOBE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-11302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: CHEM. & VOLUME CONT. SERVING VALVE 2CS-V513SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.8-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CHD #: SN.#0286	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B 21									
COORDINATES X- 1458.0 Y- 1669.0 Z- 248.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	
PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: A
10588 CATEG.: APPENDIX E

PHYS DWG REF: CAR-2165 G-138
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEM. & VOLU. CONTROL
TAG: 2CS-V513SA-1

A/E: EBAS[illegible]IVICES INC.
UTILITY: C[illegible]INA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]0.1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	DWTS ITEMS (7)	
TAG NO: 2CS-V516SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GLOBE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS, TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SMB-00-10	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCT. USE & SERVICE: CHEM. & VOLU. CONT. SERVING VALVE 2CS-V516SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH. 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7 100% BETA 1.2E6	130 E6 74 E6 100% BETA 204 E6	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
ACCUR. DEM.: N/A W. PROJ. SPEC. 952072.01									
SPECIFICATIONS: N.E. SPEC. G67885201	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	45 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
P.O #: 189234 CHD #: SH.#0266									
PLANT LOC.: CB. 21									
COORDINATES X- 1561.0 Y- 1690.0 Z- 245.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSSR CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-803
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: CHEM. & VOLU. CONTROL
TAG: 2CS-V516SA-1

*QUALIF: QUALIFIED, AWAITING
*STATUS CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G147
PHYS DWG LOC: TOTAL EQUIP. LNT
MOUNTING:
EQ. DOC. LOC: W.P.O. 189234

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/N	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V517 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS: LIMIT & TORQUE SW.
MODEL AND SERIAL #: SMB-00-10 193361	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-V517 SB-1, SEE TAB B	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B-23 ZONE RG					
SPECIFICATIONS:									
P.O #: 189234 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1570.0 Y- 1685.0 Z- 236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

SAR ENV CAT: 0588 CATEG.: APPENDIX E

PHYS DWG REF: CAR 2165 G 140
PHYS DWG LOC: D-17
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189234

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G803 (G-17)
VENDOR DWG. E73-054S, 1364-46739

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V517SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT UNIT NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	UUTB ITEMS 7	
TAG NO: 2CS-V518SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPER. VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V518SB-1. SEE TAB B	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B-23 ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC 678844, R2									
P.O #: 183622 CND #: SH.287	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- 1445.0 Y- 1655.0 Z- 245.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: F-4
MOUNTING:
EQ.DOC.LOC: W P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G803 (A-17)
VENDOR DWG. D-169448, 1364-2918

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS V518 SB-1

A/E: EBASCO SERVICES INC.
UTIL: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DOCUMENTATION DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UUTS ITEMS 7	
TAG NO: 2CS-VS18 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPER. VALVE									ACCEL TEMP:
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-VS18 SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0 E4		FSAR FIG. 3.11B-23 ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CND # SH. 287	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X= 1445.0 Y= 1655.0 Z= 245.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: F-4
MOUNTING
EQ. DOC. LOC: W P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10CFR CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G803 (A-17)
VENDOR DWG. D-169448, 1364-2918

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS VS18 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON H | IR NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI | EET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNIT ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V585SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00 339928	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V585SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.1 E4 NEGL. 100% BETA 9.1E4		FSAR FIG. 3.11B-23 ZONE R8					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: W 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.TB. 21									
COORDINATES X- 1617.0 Y- 1586.0 Z- 238.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165G-145
PHYS DWG LOC: M-5
MOUNTING:
EQ.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR-2165G-805 (F-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V585SA-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV: [illegible]
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#: [illegible]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/M (6)	UNIT ITEMS (7)	
TAG NO: 2CS-V586 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 192267	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-V586SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-1 RAD. ZONE R7					
SPECIFICATIONS: PROJ. E-SPEC. 952065,R5 GEN. E-SPEC. 678852,R2									
P.O #: 189234 CWO #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X- 1547.0 Y- 1595.0 Z- 237.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PHYS DWG REF: CAR-2165G-140
PHYS DWG LOC: D-13
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189234

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. E73-0545, 1364-46739
FLOW DIAG. CAR-2165 G-805 (J-16)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUM CONTROL
TAG: 2CS-V586 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | CES NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2CS-V587 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMTB-00 266-125	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V587 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E 4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE RS					
SPECIFICATIONS: PROJ.-E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE+ INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.-21									
COORDINATES X-1495.0 Y-1595.0 Z-247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF: CAR-2165 G-140
PHYS DWG LOC: K-8
MOUNTING:
EQ.DOC.LOC: W P.O. 173662

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8376D29, 1364-4485
FLOW DIAG. CAR-2165 G-805 (I-11)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V587 SA-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARO[illegible] [illegible]NIT NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUA[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNIT ITEMS	
		1	2	3	4	5	6	7	
TAG NO : 2CS-V588 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00 266122	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V588 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE RS					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1502.0 Y- 1595.0 Z- 247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVISION
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8376D29, 1364-4485
FLOW DIAG. CAR-2165 G-805 (J-11)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR-2165G-140
PHYS DWG LOC: K-9
MOUNTING:
EQ.DOC.LOC: W/ P.O. 173662

SAR ENV CAT: 0588 CATEG.: APPENDIX E

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V588 SB-

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NO.1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#-
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	ENV. QUALIF.	DOCUMENTATION ACTUAL	DOC. QUALIF.	QUALIF. METHOD	H/M	UNITS ITEMS	
			2	3	4	5	6	7	
TAG NO: 2CS-V589 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00 266923	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V589 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 NEGL. 100% BETA 1.89E5		FSAR FIG. 3.11B- RAD. ZONE R5					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CMD #:	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X-1518.0 Y-1576.0 Z-247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A	PARAMETER	SUPPL. REVIEW	OTHER EQUIPMENT THIS CES APPLIES TO:						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:
QUALIF STATUS	OPERABILITY	O							
	TEMPERATURE	T							
	PRESSURE	P							
	REL. HUMDTY	H							
	CHEM. SPRAY	C							
	RADIATION	R							
	AGING	A							
	SUBMERGENCE	S							
PHYS DWG REF: CAR-2165G-140			REFERENCES: VENDOR DWG. 8376D29, 1364-4485 FLOW DIAG. CAR-2165G-805 (K-11)						REVISION #: DATE:
PHYS DWG LOC: K-10									
MOUNTING:									
EQ. DOC. LOC: W.P.O. 173662	SAR ENV CAT:								SYSTEM: CHEMICAL CONTROL & VOLUME
	NSSS CATEG.:								

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS
COMPONENT EVALUATION SHEET

IS NO.:
NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION

TAG NO: 2CS-V590SB-1

EQUIPMENT TYPE: VALVE

COMPONENT: MOTOR OPERATOR

MANUFACTURER: LIMITORQUE

MAJOR SUPPLIER: WESTINGHOUSE

MODEL AND SERIAL #: SMB-00 266926

FUNCT. USE & SERVICE: SERVING VALVE 2CS-V590SB-1

ACCUM. SPEC: N/A

ACCUM. DEM.: N/A

SPECIFICATIONS: PROJ. E-SPEC. 952065, R5; GEN. E-SPEC. 678852, R2

P.O #: 173662 CWO #:

PLANT LOC.: A.B.21

COORDINATES X- 1525.0 Y- 1576.0 Z- 247.0

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G-140
PHYS DWG LOC: K-11
MOUNTING
EQ.DOC.LOC: W.P.O. 173662

ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS
OPERABILITY NORM/TEST DBA	40 YEARS NORMAL; 1 YEAR POST DBA		OPERABILITY REVIEW				
TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.				
PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.				
RELATIVE HUMIDITY	20-90% NORM; 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)				
CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-				
R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1..89E 5		FSAR FIG. 3.11B- RAD. ZONE R5				
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51				
SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A			

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION:
AUTH. REFERENCE:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8376D29, 13CA-4485
FLOW DIAG. CAR-2165G-805 (K-11)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V590SB-1

A/E: [illegible] SERVICES INC.
UTILITY: ILLINOIS POWER & LIGHT

FACILITY: BREAKDOWN [illegible] NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V600SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 193262	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V600 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD • T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE R5					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									
P.O #: 189234 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB. 21									
COORDINATES X- 1493.0 Y- 1592.0 Z- 247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

PHYS DWG REF: CAR-2165G-140
PHYS DWG LOC: I-8
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189234

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DRAWING. E73-054S, 1364-46739
FLOW DIAG. CAR-2165G-805 (H-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL CONTROL VOLUM
TAG: 2CS-V600 SB-

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V601SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 193360	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT.DES & SERVICE: SERVING VALVE 2CS-V601SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B-RAD. ZONE RS					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 189234 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1516.0 Y- 1591.0 Z- 247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165-G14-0
PHYS DWG LOC: L-10
MOUNTING:
EQ.DOC.LOC: w/P.O.189234

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DRAWING E73-0545
1364-46739
FLOW DIAG. CAR-2165G-805 (I-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V601SB-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARO[illegible] YER NO.1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUAT[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	QUIS ITEMS 7	
TAG NO: 2CS-V602SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 193370	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-V602SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE R5					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 189234 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A13.21									
COORDINATES X- 1528.0 Y- 1592.0 Z- 247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF: CAR-2165G-140
PHYS DWG LOC: L-11
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189234

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. E73-054S, 1364-46739
FLOW DIAG. CAR-2165G-805 (K-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUM CONTROL
TAG: 2CS-V602SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | SS NO.: | NSSS: WESTINGHOUSE - PWR | REVO- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESP-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
		2		3	4	5	6	7	
TAG NO: 2CS-V603 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-00 269841	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-V603 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE R5					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	ACC- INST LIFE (PER 323- 1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X- 1495.0 Y- 1575.0 Z- 247.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165-G-140
PHYS DWG LOC: M-8
MOUNTING:
EQ. DOC. LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8376D92, 1364-4481
FLOW DIAG. CAR-2165G-805 (I-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V603SA

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT | NSSS: WESTINGHOUSE - PWR | REV#-
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2CS-V604-SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-00 265404	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2CS-V604-SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89E5		FSAR FIG. 3.11B- RAD. ZONE RS					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A-B-21									
COORDINATES X- 1502.0 Y- 1575.0 Z- 247.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF:
STATUS

PHYS DWG REF: CAR-2165G-140
PHYS DWG LOC: M-9
MOUNTING:
EQ.DOC.LOC: W/P.O. 173662

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8376D92, 1364-4481
FLOW DIAG. CAR-2165G-805 (J-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V604-SB-

A/E: EBASCO SERVICES INC.
UTILITY: ILLINOIS POWER & LIGHT

FACILITY: SHEARON HARRIS NO.1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - KWU
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: 2CS-V605 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-00 265410	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2CS-V605SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B- RAD. ZONE RS					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A.B. 21									
COORDINATES X- 1518.0 Y- 1575.0 Z- 247.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G-140
PHYS DWG LOC: M-10
MOUNTING:
EQ.DOC.LOC: W/P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DRAWING 8376D92, 1364-448
FLOW DIAG. CAR-2165 G-805 (J-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V605 SA-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | IR NO.: [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: ILLINOIS POWER & LIGHT | COMPONENT EVALUAT[illegible] | SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNTS ITEMS	
			2	3	4	5	6	7	
TAG NO: 2CS-V606SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-00 265405	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DESC & SERVICE: SERVING VALVE 2CS-V606SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 NEGL. 100% BETA 1.39E5		FSAR FIG. 3.11B- RAD ZONE RS					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X- 1526.0 Y- 1575.0 Z- 247.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G140
PHYS DWG LOC: M-11
MOUNTING:
EQ.DOC.LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSBB CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8376D92, 1364-4481
FLOW DIAG. CAR2165 G805 (K-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V606SB-1

A/E: [illegible] SERVICES INC.
UTILI[illegible] ILLINOIS POWER & LIGHT

FACILITY: SHEARO[illegible]BR NO.:
COMPONENT EVALUA[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/M (6)	OUTS ITEMS (7)
TAG NO: 2CS-V609SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW				
EQUIPMENT TYPE: VALVE								
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.				
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.				
MAJOR SUPPLIER: WESTINGHOUSE								
MODEL AND SERIAL #: SMB 000 279714	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)				
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V609SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-				
ACCUM. SPEC: N/A								
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE R6				
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2								
P.O #: 173662 CWO #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51				
PLANT LOC.: A.B. 21								
COORDINATES X- 1455.0 Y- 1641.0 Z- 236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A			

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION:
AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR 2165G140
PHYS DWG LOC: G-5
MOUNTING
EQ.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D38,1364-4480
FLOW DIAG. CAR 2165 G803(B-13)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUM CONTROL
TAG: 2CS-V609 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-VG10 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 000 279211	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-VG10SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 952065.RS GEN. E-SPEC. 678852,R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X=1457.0 Y=1642.0 Z=236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G140
PHYS DWG LOC: G-5
MOUNTING:
EQ.DOC.LOC: W.P.O.173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR 2165 G803 (B-17)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-VG10 SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	UUTS ITEMS (7)	
TAG NO: 2CS-V611 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 00 193377	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V611 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B- RAD. ZONE R7					
SPECIFICATIONS:									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 41									
COORDINATES X=1530.0 Y=1576.0 Z=250.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165G140
PHYS DWG LOC: M-16
MOUNTING:
EQ.DOC.LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR2165 G805 (M-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V611SB-1

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NO. 1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTILI: [illegible]INA POWER & LIGHT | COMPONENT EVALUATI[illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNITS ITEMS	
TAG NO: 2CS-V636SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					ACCEL TEMP
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CS-V636SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	7.7E3 NEGLIGIBLE 100% BETA 8.7E3		FSAR FIG. 3.11B- RAD. ZONE R15					
SPECIFICATIONS: PROJ. E-SPEC. 678959.R2 GEN. E-SPEC. 678844,R2									
P.O #: 183642 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.31									
COORDINATES X- 1603.0 Y- 1621.0 Z- 271.0	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G157
PHYS DWG LOC:
MOUNTING:
EW.DUC.LOC: w/ P.O. 183642

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

VENDOR DWG. E-167329, 1364-2733
FLOW DIAG. CAR 2165 G804 (G-15)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V636SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2CS-V636SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTION & SERVICE: SERVING VALVE 2CS-V636SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	7.7E3 NEGLIGIBLE 100% BETA 8.7E3		FSAR FIG. 3.11B- RAD. ZONE R15					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183642 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB-31									
COORDINATES X- 1603.0 Y- 1621.0 Z- 271.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165G157
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 183642

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9500 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. E-167329 1364-2733
FLOW DIAG. CAR 2165G804 (G-15)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V636SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/W 6	QUIS ITEMS 7	
TAG NO: 2CS-V637 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: AIR OPERATED VALVE TYPE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V637SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	7.7E3 NEGLIGIBLE 100% BETA 8.7 E3		FSAR FIG. 3.11B- RAD. ZONE					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183642 CND #	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.TB.31									
COORDINATES X- 1603.0 Y- 1621.0 Z- 271.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G157
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC: w/P.O. 183642

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. E-167329, 1364-2733
FLOW DIAG. CAR2165 G804 (G-15)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOL. CONTROL
TAG: 2CS-V637 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION (3)	ACTUAL DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/N (6)	UNIT ITEMS (7)	
TAG NO: 2CS-V637 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V637 SN-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	7.7 E3 NEGLIGIBLE 100% BETA 8.7E3		FSAR FIG. 3.11B- RAD. ZONE RIS					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183642 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB.31									
COORDINATES X- 1603.0 Y- 1621.0 Z- 271.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR 2165 G157
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC: w/P.O. 183642

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9500 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. E-167329, 1364-2733
FLOW DIAG. CAR2165 G804 (G-15)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V637 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UNITS ITEMS 7	
TAG NO: 2CS-V759 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE: SERVING VALVE & SERVICE 2CS-V759 SB-1									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-23 R7					
SPECIFICATIONS:									
P.O #: CND #:	ACC-INST LIFE (PER 323-1970 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- Y- Z-	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	
	TEMPERATURE	
	PRESSURE	
	RELATIVE HUMIDITY	
	CHEMICAL SPRAY	
	[illegible]	
PHYS DWG REF.		
PHYS DWG [illegible]	[illegible] REFERENCE	
MOUNTING		
EQ.DUC.LIN.	SAR ENV CAT: 0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G804 (N-2)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V759 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTB ITEMS	
			2	3	4	5	6	7	
TAG NO: 2CS-V758 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V758SA-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-23 RAD. ZONE R7					
SPECIFICATIONS:									
P.O #: CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- Y- Z-	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF EXEMPTN: N/A									
QUALIF:									
STATUS									
PHYS DWG REF:									
PHYS DWG LOC:									
MOUNTING:									
EQ.DOC.LOC:									

PARAMETER	CODE
QUALITY	Q
TYPE	T
SEISMIC	S
TEMP. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G804 (N-2)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS-V758SA-1

A/E: EBAS[illegible]RVICES INC.
UTILI[illegible]LINA POWER & LIGHT

FACILITY: SHEARON H[illegible]R NO.1
COMPONENT EVALUAT[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV- 0
CES0-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V757 SA-1.	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT.DES & SERVICE: SERVING VALVE 2CS-V757 SA-1									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD • T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-23 RAD. ZONE R7					
SPECIFICATIONS:									
P.O #: CHO # :	ACC-INST LIFE (PER 323-978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- Y- Z-	SUBMERGED		N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF. REQUIRED:

QUALIF. STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

ITEM	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2GSG804 (N-2)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : CHEMICAL [illegible] CONTROL
TAG : 2CS V757 SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | NEVA-
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CS-V760 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATM. NORM. INT. NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-100% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CS-V760 SA-1									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD TTD.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-23 RAD. ZONE R7					
SPECIFICATIONS:									
P.O #:	INST LIFE	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB									
COORDINATES X- Y- Z-	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
ENV.DUC.LOC:

SAR ENV CAT:
10580 CATEG.: D
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G804(N-2)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS V760 SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	UNITS ITEMS (7)	
TAG NO : 2CS-L520 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM & DBA		FSAR TABLE FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM & DBA							MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL # : SMB 000 265022	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)					
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.7 E6 NEGLIGIBLE 100% BETA 2.8 E6		FSAR FIG. 3.11B-29 CONT. RAD. ZONE R 14					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CHD # :	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 24									
COORDINATES X- 1543.0 Y- 1596.0 Z- 263.0	SUBMERGED	191.0 YES							AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	0588 CATEG.:	
	APPENDIX E	

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: B-9
MOUNTING :
EQ.DOC.LOC: w/ P.O. 173662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 1364-4531

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : CHEMICAL & VOLUME CONT.
TAG : 2CS L520 SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	QUIS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : 2CS L521 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW.					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104° F NORM & DBA		FSAR TABLE FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. & DBA							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 00 265025	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)					
FUNCT.DES: & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.7 E6 NEGLIGIBLE 100% BETA 2.8 E6		FSAR FIG. 3.11B-24 CONT. RAD. ZONE R14					
SPECIFICATIONS: PROJ. E-SPEC. 952065, RS GEN.E-SPEC. 678852, RZ									
P.O #: 173662 CMD # :	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 24									
COORDINATES X- 1546-0 Y- 1596-0 Z- 263-0	SUBMERGED	191-0 YES							AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G140
PHYS DWG LOC: B-9
MOUNTING :
EQ.DOC.LOC: w/ P.O. 173662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 1364-4531

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : CHEMICAL & VOL. CONTROL
TAG : 2CS L521 SB-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUCLEAR PLANT UNIT NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REVO- 0
CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/N	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2CS-L522SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.					M	NONE	SUBCOMPONENTS: LIMIT & TORQUE SW.
MODEL AND SERIAL #: SMB-00 266918	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCT. USE & SERVICE: SERVING VALVE 2CS-L522SB-1, SEE TAB B	CHEMICAL SPRAY	N/A.		FSAR SECT. 3.11-			M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E 4 NEGLIGIBLE 100% BETA 2.6 E4		FSAR FIG. 3.11B-23 ZONE R7			H		
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 173662 CWO #:	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB21									
COORDINATES X- 1521.0 Y- 1574.0 Z- 248.3	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: N-10
MOUNTING:
EQ.DUC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G 805 (K-12)
VENDOR DWG. 8376D29, 1364-4485

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS L522SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	UNIT ITEMS 7	
TAG NO: 2CS-L523 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		SUBCOMPONENTS: LIMIT & TORQUE SW.
MODEL AND SERIAL #: SMB-00 266921	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCTIONS & SERVICE: SERVING VALVE 2CS L523 SA-1, SEE TAB B	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-			M		
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 NEGLIGIBLE 100% BETA 2.6 E4		FSAR FIG. 3.11B- RAD. ZONE R7			H		
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1499.0 Y- 1573.0 Z- 248.3	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: N-9
MOUNTING:
EQ.DUC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSSB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G805 (J-12)
VENDOR DWG. 8376D29, 1364-4485

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CHEMICAL & VOLUME CONTROL
TAG: 2CS L522 SB-1

A/E: [redacted] SERVICES INC.
UTILI[redacted] CAROLINA POWER & LIGHT

FACILITY: SHEARON[redacted] NO. 1
COMPONENT EVALUAT[redacted] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[redacted]

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUIS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CC-V169SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CC-V169SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 952005,R5 GEN. E-SPEC. 678852,R2									
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.TB 21									
COORDINATES X- 1558.0 Y- 1654.0 Z- 255.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165G123
PHYS DWG LOC: E-17
MOUNTING:
EQ.DOC.LOC: W.P.O.189267

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 678852,R2
1364-3022
FLOW DIAG. CAR 2165 G821 (E-1)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V169SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UNITS ITEMS 7	
TAG NO: 2CC-V170 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CC-V170 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ.E-SPEC. 952065,R2 GEN.E-SPEC. 678852,R2									
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.TB.21									
COORDINATES X-1559.0 Y-1661.0 Z-236.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR2165G123
PHYS DWG LOC: E-16
MOUNTING:
EQ.DOC.LOC: WP.O. 189267

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 88724-2-S, 1364-3022
FLOW DIAG. CAR2165G821(F-1)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V170 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2CC-V172 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMTB-00-10	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CC-V172 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 952065,R5 GEN. E-SPEC. 678852,R2									
P.O #: 189267 CMD #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.-11									
COORDINATES X- 1534.0 Y- 1637.0 Z- 230.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G123
PHYS DWG LOC: N-3
MOUNTING:
EQ.DOC.LOC: WP.O. 189267

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 88724-2-S, 1364-3022
FLOW DIAG. CAR 2165 G821 (D-3)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V172 SB-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON[illegible] [illegible]8 NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUAT[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UUTB ITEMS 7	
TAG NO: 2CC-V182 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CC-V182 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A.B. 21									
COORDINATES X- 1538.0 Y- 1640.0 Z- 245.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G123
PHYS DWG LOC: G-15
MOUNTING:
EQ.DOC.LOC: W.P.O. 189267

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 88724-2-S,
1364-3022
FLOW DIAG. CAR 2165 G-821 (B-10)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V182 SB-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | TB NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUA[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2CC-V183 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE 232									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2CC-V183 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1562.0 Y- 1666.0 Z- 245.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:	PARAMETER	SUPPL. REVIEW
STATUS	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DRAWING 88724-2-5, 1364-3022
FLOW DIAG. CAR 2165 G 821 (E-12)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G-123
PHYS DWG LOC: E-17
MOUNTING:
EQ.DOC.LOC: w/P.O. 189267

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V183SB-1

A/E: EBA[redacted]VICES INC. FACILITY: SHEARON HA[redacted]0.1 NSSS: WESTINGHOUSE - PWR [redacted] VR- 0
UTILITY[redacted] INA POWER & LIGHT COMPONENT EVALUATION[redacted] CAPACITY: 900 MW(E) [redacted] SR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: 2CC-V184SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4.1 FOR DBA	144°F NORM 385°F D.B.A	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456, PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: LIMIT & TORQUE SW.
MODEL AND SERIAL #: SMB-00-10 [illegible]	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1E	
FUNCT. DES & SERVICE: COMP. COOLING SERVING VALVE 2CC-V184SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7 100% BETA 1.2E6	130 E6 74E6 100% BETA 204 E6	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 4.3 PAGE 12 SRS TAB D PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
ACCUR. DEM.: N/A W. PROJ. SPEC. 952065 05									
SPECIFICATIONS: W.E. SPEC. 678852 02									
P.O #: 189267 CMD # SM-0957	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B. 21									
COORDINATES X- 1555.0 Y- 1671.0 Z- 247.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
DSBB CATEG.: APPENDIX E	

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-120
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W/ P.O. 189267

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-821
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: COMP. COOLING WATER
TAG: 2CC-V184SA-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV: 0
CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DOCUMENTATION DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: 2CC-V190 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SBM-00-15 5897	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2CC-V190 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A GEN.E-SPEC. 678852,R2	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ.E-SPEC. 952065,R5									
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X-1549.0 Y-1648.0 Z-255.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G123
PHYS DWG LOC: F-16
MOUNTING:
EQ.DOC.LOC: W/ P.O. 189267

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG 88532-2-S, 1364-3023
FLOW DIAG. CAR2165 G821 (E-15)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 2CC-V190 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | NSSS: WESTINGHOUSE - PWR | VR- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | SR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	DOCUMENTATION 3 ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/M	7 QUIS ITEMS	
TAG NO: 2CC-V191SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4.1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SMB-00-15	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	130 E6 74 E6 100% BETA 204 E6	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
FUNCT. DESC. & SERVICE: COMP. COOLING - SERVING VALVE 2CC-V191SA-1	AGE-INST LIFE (PER 323-1970 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
ACCUR. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
ACCUR. DEM.: N/A									
SPECIFICATIONS: W. PROJ. SPEC. 952065 05 WE. SPEC. 678852 02									
P.O #: 189267 CHD #: SN.#0959									
PLANT LOC.: C.B. 21									
COORDINATES X- 1542.0 Y- 1655.0 Z- 255.0									

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-120
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W.P.O. 189267

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: 9508 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-821
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: COMP. COOLING WATER
TAG: 2CC-V191SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO. 1 | NSSS: WESTINGHOUSE - PWR | REVS- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESP-

EQUIPMENT DESCRIPTION	PARAMETER	ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 3CC-B5 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-1 204528	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 3CC-B5 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 NEGL. 100% BETA 2.6 E4		FSAR FIG. 3.11B- RAD. ZONE R7					
SPECIFICATIONS: PROJ. E-SPEC. 952075, R1 GEN. E-SPEC. 678846, R1									
P.O #: 178282 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1422.0 Y- 1547.0 Z- 252.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165G124
PHYS DWG LOC: G-4
MOUNTING:
EQ.DOC.LOC: W.P.O. 178282

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

DSSB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. F-42247, 1364-2986
FLOW DIAG. CAR2165G819 (H-3)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-B5 SA-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | CR NO.: | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: [illegible] ALINA POWER & LIGHT | COMPONENT EVALUA[illegible] | SHEET | CAPACITY: 900 MW(E) | CESD:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	UUTS ITEMS	
		2		3	4	5	6	7	
TAG NO: 3CC-BG SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 218446	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 3CC-BG SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 NEGL. 100% BETA 2.6 E3		FSAR FIG. 3.11B- RAD. ZONE R7					
SPECIFICATIONS: PROJ. E-SPEC. 952075, R1 GEN. E-SPEC. 678846, R1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 178282 CHD #:									
PLANT LOC.: A.B.21									
COORDINATES X- 1556.0 Y- 1547.0 Z- 249.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. F-42247, 1364-2986
FLOW DIAG. CAR 2165 G 819 (I-3)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G124
PHYS DWG LOC: G-16
MOUNTING:
EQ.DOC.LOC: W.P.O. 178282

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-BG SB

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON[illegible] HARRIS NO.1
COMPONENT EVALUA[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	OUTS ITEMS 7	
TAG NO : 3CC-B19SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW —					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-1 218447	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT.UES & SERVICE: SERVING VALVE 3CC-B19SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ.E-SPEC. 952075 R1	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 NEGL. 100% BETA 2.6 E4		FSAR FIG. 3.11B- RAD. ZONE R7					
SPECIFICATIONS: 678846, R1									
P.O #: 178282 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB.21									
COORDINATES X- 1479.0 Y- 1551.0 Z- 251.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G124
PHYS DWG LOC: G-9
MOUNTING
EQ.DOC.LOC: w/P.O. 178282

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. F-42247, 1364-2986
FLOW DIAG. CAR 2165 G819 (F-16)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-B19SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] TR NO.: NSSS: WESTINGHOUSE - PWR REV: 0
UTILITY: [illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E) CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 3CC-B20 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00 218448	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 3CC-B20 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952075, R1	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B- RAD. ZONE R7					
SPECIFICATIONS: GEN. E-SPEC. 678846 R1									
P.O #: 178282 CMD #:	ACC-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X- 1498.0 Y- 1552.0 Z- 251.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G124
PHYS DWG LOC: G-4
MOUNTING:
EQ. DOC. LOC: W.P.O. 178282

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10CFR CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. F-42247, 1364-2986
FLOW DIAG. CAR 2165 G 819 (G-16)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-B20 SB-1

A/E: EBASCO SERVICES INC.
UTILITY: LINA POWER & LIGHT

FACILITY: SHEARON HARRIS NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DOCUMENTATION DEM. QUALIF. 4	QUALIF. METHOD 5	M/N 6	UUTS ITEMS 7	
TAG NO: 3CC-LISA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 3CC-LISA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1519.0 Y- 1619.0 Z- 239.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G123
PHYS DWG LOC: D-8
MOUNTING:
EQ.DOC.LOC: w/ P.O. 191003

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
10CFR CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. C-102861, 1364-3345
FLOW DIAG. CAR 2165 G822 (A-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-LISA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: 3CC-LISA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 3CC-LISA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	RADIATION GAMMA BETA SHIELD T.I.D.	1.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									
P.O #: 191003 CND #	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X= 1519.0 Y= 1619.0 Z= 239.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
10CFR CATEG.:	C
APPENDIX E	

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G123
PHYS DWG LOC: D-8
MOUNTING:
EQ.DOC.LOC: w/ P.O. 191003

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. C102861, 1364-3345
FLOW DIAG. CAR 2165 G822 (A-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-LISA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UNIT ITEMS 7	
TAG NO: 3CC-L2SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 3CC-L2SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									
P.O #: 191003 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X-1520.0 Y-1620.0 Z-239.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G123
PHYS DWG LOC: D-7
MOUNTING:
EQ.DOC.LOC: w/P.O. 191003

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.:	C
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. SD-C-102861
1364-3345
FLOW DIAG. CAR 2165 G822 (B-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-L2SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | ISSUE: WESTINGHOUSE - PWR | REV: 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 3CC-L2SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 3CC-L2SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B 21									
COORDINATES X= 1520.0 Y= 1620.0 Z= 239.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G123
PHYS DWG LOC: D-7
MOUNTING:
EQ. DOC. LOC: w/ P.O. 191003

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: C
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG SD-C-102861
1364-3345
FLOW DIAG. CAR-2165 G822 (B-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-L2SB-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT
FACILITY: SHEARON HARRIS
COMPONENT EVALUATION SHEET
TR NO.:
NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)
REV: 0
CESD:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 3CC-V165SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 5991	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 3CC-V165SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 NEGL. 100% BETA 2.6E4		FSAR FIG. 3.11B-					
SPECIFICATIONS: PROJ. E-SPEC 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 189267 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1428.0 Y- 1567.0 Z- 238.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G 124
PHYS DWG LOC: E-4
MOUNTING:
EQ.DOC.LOC: W/P.O. 189267

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DRAWING 83816-S, 1364-3059
FLOW DIAG. CAR 2165 G 820 (A-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING.
TAG: 3CC-V165SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO.: | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (2)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	UNTS ITEMS (7)	
TAG NO: 3CC-V167 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-10 218929	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2CC-V167SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-1 RAD. ZONE R7					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 189267 CWO #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X-1552.0 Y-1567.0 Z-238.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 83816-S, 1364-3059
FLOW DIAG CAR2165 G 820 (B-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G124
PHYS DWG LOC: E-16
MOUNTING:
EQ.DOC.LOC: W.P.O. 189267

REVISION #:
DATE:

SYSTEM: COMPONENT COOLING
TAG: 3CC-V167SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION 3	ACTUAL DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: HYDROGEN RECOMBINER 1A-SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TYPE									ACCEL TEMP:
COMPONENT: HYDROGEN RECOMBINER	TEMPERATURE	120°F NORM 385°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE STURDAVANT DIVISION	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					SUBCOMPONENTS: POWER SUPPLY & CONTROL PANEL
MODEL AND SERIAL #: A (EHRS) 58	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCTIONS & SERVICE: SEE SP-1, TAB "B"	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3 E7 3.7 E8 100% BETA 1.3 E7		FSAR APP. 3.11.8 CONT. RAD. ZONE C6					
EQPT. SPEC. 679012722 SPECIFICATIONS: PROJ. SPEC. N/A									
P.O #: 217308 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE TAB "B", SP-1
PLANT LOC.: C.D.									
COORDINATES X- Y- Z- 286.0	SUBMERGED	228.3 YES		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: NO

PARAMETER	SUPPL. REVIEW
OPERABILITY	O SP-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR 2166 G 4-53
PHYS DWG LOC:
MOUNTING: FLOOR
EQ.DOC.LOC: W P.O. 217308

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
EQUIP. QUAL. DATA PKG. EQDP-SP-1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: SP-1

REVISION #:
DATE:

SYSTEM: HYDROGEN CONT. (RECOMBINER)
TAG: 1A-SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: HYDROGEN RECOMBINER 1B-SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TYPE									ACCEL TEMP:
COMPONENT: HYDROGEN RECOMBINER	TEMPERATURE	120°F NORM 385°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE STURDAVANT DIVISION									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					SUBCOMPONENTS: POWER SUPPLY CONTROL PANEL
MODEL AND SERIAL #: A (EHRS) 51	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE: SEE SP-1, TAB "B"	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3 E7 3.7E8 100% BETA 1.3 E7		FSAR APP. 3.11.8 CONT. RAD. ZONE C6					
ACCUR. DEM.: N/A									
SPECIFICATIONS: EQPT. SPEC. 679012 R2 PROJ. SPEC. N/A									
P.O #: 217308 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE TAB "B", SP-1
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 286.0	SUBMERGED	228.3 YES		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: NO

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G 453
PHYS DWG LOC:
MOUNTING: FLOOR
EQ.DOC.LOC: W P.O. 217308

SAR ENV CAT: A
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
EQUIP. QUAL. DATA PKG. EQDP-SP-1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: HYDROGEN CONT. (RECOMBINER)
TAG: 1B-SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV.
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: PT ICT 0950	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: PRESS. XMTR.	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCT. USE & SERVICE: CONTAINMENT PRESSURE	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 4.4 E5 100% BETA 2.6 E4		FSAR FIG. 3.11B-24 CONT. RAD. ZONE R11			H		
SPECIFICATIONS: E. SPEC 953333, R0 PROJECT SPEC. N/A									SAFETY FUNCTION:
P.O #: W404835 CMD # : SH.185	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB 31									
COORDINATES X- Y- Z- 265'-6	SUBMERGED	191-0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	D
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CONTAINMENT SPRAY
TAG: PT ICT 0950

QUALIF:
STATUS

PHYS DWG REF: CAR2166G436 SOS
PHYS DWG LOC: G-7
MOUNTING:
EQ.DOC.LOC: W P.O. 404835

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | ACTIVITY:
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: PT ICT 0951	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: PRESS. XMTR.	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE: CONTAINMENT PRESSURE	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 4.4 E5 100% BETA 2.6 E4		FSAR FIG. 3.11B-24 CONT. RAD. ZONE R11			H		
SPECIFICATIONS: E. SPEC. 953333, R0 PROJECT SPEC. N/A									SAFETY FUNCTION:
P.O #: W404835 CMD # : SH. 185	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB 31									
COORDINATES X- Y- Z- 265'-6	SUBMERGED	191-0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR2166G436 SOS
PHYS DWG LOC: G-8
MOUNTING:
EQ. DOC. LOC: W P.O. 404835

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: CONTAINMENT SPRAY
TAG: PT ICT 0951

UTILIT CAROLINA POWER & LIGHT — COMPONENT EVALUATI SHEET — CAPACITY: 900 MW(E)

EQUI DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO : PT ICT 0952	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: PRESS. XMTR.	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. USE & SERVICE: CONTAINMENT PRESSURE	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 4.4 E5 100% BETA 2.6 E4		FSAR FIG. 3.11B-24 CONT. RAD. ZONE R11			H		
SPECIFICATIONS: E. SPEC 953333, R0 PROJECT SPEC. N/A									
P.O #: W404835 CHD # : SH. 185	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 31									
COORDINATES X- Y- Z- 265'-6	SUBMERGED	191-0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

SAR ENV CAT: 0588 CATEG.: D
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

PHYS DWG REF: CAR2166G436 SOS
PHYS. DWG LOC: G-15
MOUNTING :
EQ. DOC. LOC: W P.O. 404835

SYSTEM : CONTAINMENT SPRAY
TAG : PT ICT 0952

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: NC POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: PT ICT 0953	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: PRESS. XMTR.	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE: CONTAINMENT PRESSURE									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A					M		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 4.4 E5 100% BETA 2.6 E4		FSAR FIG. 3.11B-24 CONT. RAD. ZONE R11			H		
SPECIFICATIONS: E. SPEC 953333, R0 PROJECT SPEC. N/A									
P.O #: W404835 CMD # : SH.185	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 31									
COORDINATES X- Y- Z- 265'-6	SUBMERGED	191-0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INITIAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR2166G436 SOS
PHYS DWG LOC: D-17
MOUNTING:
EQ.DOC.LOC: W P.O. 404835

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

REVISION #:
DATE:

SYSTEM: CONTAINMENT SPRAY
TAG: PT-ICT 0953

UTILI: CAROLINA POWER & LIGHT | SHEARON | 13 110.1 | NSSS: WESTINGHOUSE - PWR | REV.
COMPONENT EVALUATI | EET | CAPACITY: 900 MW(E) | CESP-

EQU DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEN. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEN. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : LT-IFW 474	OPERABIL-ITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERAT-URE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LEVEL XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL # : 764 1154	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. DES: & SERVICE FEEDWATER LVL.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEN.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328.R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CWO # 1993	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1454.0 Y- 1709.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ. DOC. LOC: W PRO. 407118

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEED WATER

TAG : LT-IFW 474

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] TEST | CAPACITY: 900 MW(E) | CES#-

EQUI[illegible] DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/N	OUTS ITEMS	
	1		2	3		4	5	7	
TAG NO : LT-1FW475	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM. FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL # : 764 1155	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: FEED WATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.3 E7 100% BETA 1.2 EG	68.10 EG 74.38 EG 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE CB	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 959328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CHD # 1993	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1456.0 Y- 1717.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ. DOC. LOC: W PO. 407118

SAR ENV CAT: A
10588 CATEG.: A
APPENDIX E

REFERENCES: FLOW DIAG. CAR 2165 G044

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEED WATER
TAG : LT-1FW475

A/E: E' CO. SERVICES INC.
UTILI[illegible] .INA POWER & LIGHT

FACILITY: SHEARON [illegible] 'S NO.1
COMPONENT EVALUATI[illegible] EET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/N (6)	OUTS ITEMS (7)
TAG NO : LT-IFW 476 EQUIPMENT TYPE: SENSOR COMPONENT: LVL. XMTR. MANUFACTURER: BARTON MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: 764 1156 FUNCT. USE & SERVICE: FEEDWATER LVL. ACCUR. SPEC: N/A ACCUR. DEM.: N/A SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W E. SPEC. DWG 8765D45, R 3 P.O #: 407118 CND # 1944 PLANT LOC.: CB 21 COORDINATES X= 1460.0 Y= 1725.0 Z= 236.0 INSTALLED (Y/N): INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A QUALIF: REQUIRES ANALYSIS STATUS PHYS DWG REF: CAR 2165 G451 PHYS DWG LOC: INSTRUMENT LIST MOUNTING : EQ.DOC.LOC: W NO. 407118	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K
	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	168.10 E6 174.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABLE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE
	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE

ACCEL TIME: 1673 HOURS
ACCEL TEMP: 125°C
REPLACEMENT: 5.99 YEARS
MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
SUBCOMPONENTS: O-RINGS & CONNECTORS
SAFETY FUNCTION: SEE ESE-3A, TAB "B"
AUTH. REFERENCE: M.J.H.

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEED WATER
TAG : LT-IFW 476

A/E: E[illegible] CO. SERVICES INC. | FACILITY: SHEARON [illegible] NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]INA POWER & LIGHT | COMPONENT EVALUATI[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: LT-IFW 477	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1163	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: FEED WATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 955328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CWD #: 995	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1454.0 Y- 1709.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEED WATER
TAG: LT-IFW 477

A/E: E' CO SERVICES INC. | FACILITY: SHEARON | TS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT LINA POWER & LIGHT | COMPONENT EVALUATI EET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		2		3	4	5	6	7	
TAG NO: LT-IFW 484	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1157	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: FEED WATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW.	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953928, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CHD #: 993	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "D"
PLANT LOC.: CB 21									
COORDINATES X= 1503.0 Y= 1646.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
10588 CATEG.:	A
APPENDIX E	

*QUALIF: REQUIRES ANALYSIS
*STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING
EQ.DOC.LOC: W PRO. 407118

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEED WATER
TAG : LT-IFW484

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] .ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 H/M	7 OUTS ITEMS	
TAG NO: LT-IFW485 EQUIPMENT TYPE: SENSOR COMPONENT: LVL. XMTR. MANUFACTURER: BARTON MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: 764 1158 FUNCT. USE & SERVICE: ACCUM. SPEC: N/A ACCUM. DEM.: N/A SPECIFICATIONS: W PROJECT SPEC. 959328 R1, W.E. SPEC. DWG 8765D45, R3 P.O #: 407118 CND #: 993 PLANT LOC.: CB 21 COORDINATES X= 1490.0 Y= 1648.0 Z= 236.0 INSTALLED (Y/N): INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A QUALIF: REQUIRES ANALYSIS STATUS PHYS DWG REF: CAR 2165 G451 PHYS DWG LOC: INSTRUMENT LIST MOUNTING: EQ. DOC. LOC: W PO. 407118	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS ACCEL TEMP: 125°C REPLACEMENT: 5.99 YEARS MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS SUBCOMPONENTS: O-RINGS & CONNECTORS
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	
	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW. DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEED WATER
TAG: LT-IFW485

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | TB NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#-
UTILI: [illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: LT-IFW 486	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1159	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. USE: FEEDWATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 174.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CWO #: 994	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABLE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X= 1648.0 Y= 1646.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW. DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEED WATER
TAG: LT-IFW 486

UTILIT: CAROLINA POWER & LIGHT | FACILITY: SHEARON | UNIT NO.: 1 | NSSS: WESTINGHOUSE - PWR | NEVA-
COMPONENT EVALUATI | SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/M	7 UNITS ITEMS	
TAG NO: LT-IFW487	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1164	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. DES & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
ACCUR. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.
ACCUR. DEM.: N/A									
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CND #: 995									
PLANT LOC.: CB 21									
COORDINATES X=1496.0 Y=1646.0 Z=236.0									
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE 3A
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PRO. 407118

SAR ENV CAT: A
10580 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEED WATER
TAG: LT-IFW487

UTILI: CAROLINA POWER & LIGHT | FACILITY: SHEARON | 18 NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
COMPONENT EVALUATI | HEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LT-IFW494	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL # : 764 1160	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE: FEEDWATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CND # : 993	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X= 1531.0 Y= 1736.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ. DOC. LOC: W PO. 407118

SAR ENV CAT: A
10 CFR 50 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEED WATER
TAG : LT-IFW494

A/E: E' CO SERVICES INC. | FACILITY: SHEARON | IS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT INA POWER & LIGHT | COMPONENT EVALUATI ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		5	6	7	
TAG NO: LT-IFW495	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1161	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCTIONS: FEEDWATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953528, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CWD #: 993	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-BA, TAB "D"
PLANT LOC.: CB 21									
COORDINATES X- 1336.0 Y- 1730.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ.DOC.LOC: W PO. 407118

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G 044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-BA

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEED WATER
TAG: LT-IFW495

UTILI: CAROLINA POWER & LIGHT | FACILITY: SHEARON | IB. NO.: EET | NSSS: WESTINGHOUSE - PWR | CAPACITY: 900 MW(E) | REV#- 0 | CES#-

EQUIP. DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: LT-IFW496	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1162	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES. & SERVICE: FEEDWATER LVL.									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CND #: 994	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1544.0 Y- 1723.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: FEEDWATER
TAG: LT-IFW496

*QUALIF: REQUIRES ANALYSIS
*STATUS
*
*

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

A/E: C[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | TS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	1 DEM. QUALIF.	2 DOCUMENTATION ACTUAL	3 DEM. QUALIF.	4 QUALIF. METHOD	5 N/M	6 OUTS ITEMS	7
TAG NO : LT-IFW497	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP REVIEW	H	NORM. SERV. TEMP. SEE TAB K	REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON									MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER : WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL # : 764 1165	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: FEEDWATER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CWO # : 940	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1544.0 Y- 1723.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ.DOC.LOC: W.R.O. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
DSSB CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : FEEDWATER
TAG : LT-IFW497

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (2)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT-IMS474	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: FLOW XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1148	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	—
FUNCT. DES & SERVICE: MAIN STEAM FLOW	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW.	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953528, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CND #: 990	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1460.0 Y- 1725.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ. DOC. LOC: W PRO. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : MAIN STEAM
TAG : FT-IMS474

A/E: EBASCO SERVICES INC. | FACILITY: BREAKWIN II | IN INV.: | NSSS: WESTINGHOUSE | CESQ-
UTILI: INDIANA POWER & LIGHT | COMPONENT EVALUATI | SHEET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIQ ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT IMS 474	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500042	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
FUNCT. USE: SG 1A STEAM PRESS. & SERVICE PR ST II	R GAMMA A BETA D SHIELD T.I.D.	5.8 E3 NEGL. 100% BETA 6.8 E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A									
SPECIFICATIONS: w/PROJ. E SPEC. 95333, RO & DWG. 8765066R3 GEN. E. SPEC. 95333, RO	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
P.O #: 285110 CND #: SH.988									
PLANT LOC.: A.B.31									
COORDINATES X- Y- Z- 261	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-1
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	10CFR CATEG.: APPENDIX E	D

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: C-8
MOUNTING:
EQ. DOC. LOC: w/P.O. 285110

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 474

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : FT-IMS 475	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: FLOW XMTR.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1149	R GAMMA	1.2 E6	6810 E6	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCTIONS: MAIN STEAM FLOW & SERVICE	A BETA	3.3 E7	7438 E6						
	D SHIELD	100% BETA	100% BETA						
	T.I.D.	1.2 E6							
ACCUM. SPEC: N/A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
ACCUM. DEM.: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

SPECIFICATIONS: W PROJECT SPEC. 955328, R1 W.E. SPEC. DWG 8745D45, R 3

P.O #: 407118 CND # 1991

PLANT LOC.: CB 21

COORDINATES X= 1468.0 Y= 1734.0 Z= 236.0

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ.DOC.LOC: W.O. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : MAIN STEAM
TAG : FT-IMS 475

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO.: | NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTB ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT IMS 475 EQUIPMENT TYPE: SENSOR COMPONENT: PRESS. TRANSMITTER MANUFACTURER: BARTON MAJOR SUPPLIER: WESTINGHOUSE MODEL AND: 763 SERIAL #: N8500048 FUNCT. USE: SG 1A STEAM PRESS. & SERVICE PR ST III ACCUM. SPEC: N/A ACCUM. DEM.: N/A w/ PROJ. SPEC. 95333, R04 SPECIFICATIONS: DWG 8765066, R3 GEN. & SPEC 95333, R0 P.O #: 285110 CMD #: SH.988 PLANT LOC.: A.B.31 COORDINATES X- Y- Z- 261 INSTALLED (Y/N): INSTAL. REF: BY FIELD QUALIF. EXEMPTN: N/A QUALIF STATUS PHYS DWG REF: CAR 2165 G436 S04 PHYS DWG LOC: D-10 MOUNTING EQ. DOC. LOC: w/ P.O. 285110	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS. ACCEL TEMP: 125°C REPLACEMENT: MAINTAIN.: SUBCOMPONENTS: O-RINGS CONNECTORS SAFETY FUNCTION: AUTH. REFERENCE: M.J.H.
	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	
	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	
	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	
	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	
	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 475

A/E: EBASCO SERVICES INC. FACILITY: BRUNSWICK NUCLEAR PLANT UNIT NO.: HOUSE: WESTINGHOUSE
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E) CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUTS ITEMS	
	1		2	3		5	6	7	
TAG NO: PT IMS 476	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500047	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	
FUNCT. USE: SG 1A STEAM PRESS. & SERVICE PR ST IV	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. BONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
ACCUM. DIM.: N/A									
SPECIFICATIONS: W. PROJ. SPEC. 95333, R0 & DWG 876506, R3 GEN. E SPEC. 95333 R.0	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
P.O #: 285110 CWO #: SH. 988									
PLANT LOC.: A.B. 31									
COORDINATES X- Y- Z- 261	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 476

•QUALIF:
•STATUS
•
•

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: D-12
MOUNTING:
EQ. DOC. LOC: w/ P.O. 285110

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] 18 NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] LINA POWER & LIGHT | COMPONENT EVALUAT[illegible] EQT | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: FT-IMS 484	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: FLOW XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1150	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. USE: MAIN STEAM FLOW & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CWD #: 990	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "D"
PLANT LOC.: CB 21									
COORDINATES X= 1490.0 Y= 1643.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
10580 CATEG.:	A
APPENDIX E	

*QUALIF: REQUIRES ANALYSIS
*STATUS
*
*

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: MAIN STEAM
TAG: FT-IMS 484

A/E: EBASCO SERVICES INC. UTILITY: ALABAMA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	UUTB ITEMS (7)	
TAG NO: PT IMS 484	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL; 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19; SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT TYPE: SENSOR	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1; FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10; SRS TAB E Pg. 1B THRU 5B		M	NONE	ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14; SRS TAB E Pg. 3C		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON	RELATIVE HUMIDITY	20-90% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM.; FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14; SRS TABLE E Pg. 3C		H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17; SRS TAB E Pg. 6C		M	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500050	γ GAMMA; β BETA; D SHIELD; T.I.D.	5.8E3; NEGL.; 100% BETA; 6.8E3	5.0 E7; 90 E7; 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11; SRS TAB E Pg. 1A THRU 3A		H	NONE	
FUNCT. USE: SG 1B STEAM PRESS. & SERVICE PR ST II	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21; SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
ACCUM. SPEC: N/A	SUBMERGED	191'0"; YES	N/A	FSAR SECT. 3.6	N/A; SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.K.
ACCUM. DEM.: N/A									
SPECIFICATIONS: W. PROJ. SPEC. 95333, R0 & DWG. 8765066, R3; GEN. E SPEC. 95333 R0									
P.O #: 285110 CND #: SH. 988									
PLANT LOC.: A.B.31									
COORDINATES X- Y- Z- 261									
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042; TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 484

QUALIF: STATUS:

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: C-8
MOUNTING:
EQ. DOC. LOC: W/ P.O. 285110

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | IS NO.: [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: FT-IMS 485	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: FLOW XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1151	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	—
FUNCT. USE: MAIN STEAM FLOW. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CWO #: 991	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- Y- Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: MAIN STEAM
TAG: FT-IMS 485

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON H' | TR NO.: | NSSS: WESTINGHOUSE - PWR
UTILI: CHINA POWER & LIGHT | COMPONENT EVALUATI | SHEET | CAPACITY: 900 MW(E) | CESP-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT IMS 485	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E. PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.9 Pg. 14 SRS TAB E Pg. 3C		M	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500049	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	
FUNCT. USE: SG IB STEAM PRESS. & SERVICE PR ST III	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A w/PROJ. SPEC. 95333, R0 & DWG 876506, R3	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
SPECIFICATIONS: GEN. E SPEC. 95333, R0									
P.O #: 285110 CND #: 15H.988	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
PLANT LOC.: A.B.31									
COORDINATES X- Y- Z-261	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.K.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
DSBB CATEG.: APPENDIX E	D

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: D-10
MOUNTING:
EQ. DOC. LOC: w/ P.O. 285110

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 485

A/E: EBASCO SERVICES INC. | FACILITY: BREAKOUT 1 | TR NO.: | NSSS: WESTINGHOUSE - PWR
UTILITY: CLINTON POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		5	6	7	
TAG NO: PT IMS 486 EQUIPMENT TYPE: SENSOR COMPONENT: PRESS. TRANSMITTER MANUFACTURER: BARTON MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: 763 N8500053 FUNCTIONS & SERVICE: SG 1B STEAM PRESS. PR ST IV ACCUM. SPEC: N/A ACCUM. DEM.: N/A w/ PROJ. SPEC. 95333, R0 & DWG. 876506, R3 SPECIFICATIONS: GEN. E SPEC. 95333, R0 P.O #: 285110 CND # SH.988 PLANT LOC.: A.B.31 COORDINATES X- Y- Z- 261 INSTALLED (Y/N): INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS. ACCEL TEMP: 125°C REPLACEMENT: MAIN(AIN.: SUBCOMPONENTS: O-RINGS CONNECTORS SAFETY FUNCTION: AUTH. REFERENCE: M.J.H.
	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	
	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	
	RELATIVE HUMIDITY	20-90% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	
	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	
	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF:
STATUS:

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: D-12
MOUNTING:
EQ.DOC.LOC: w/ P.O. 285110

1988 CATEG.: D
APPENDIX E

OTHER EQUIPMENT THIS CEB APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 486

A/E: E[illegible]CO SERVICES INC. | FACILITY: SHEARON [illegible] - [illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] LINA POWER & LIGHT | COMPONENT EVALUAT[illegible] EET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	UUTS ITEMS (7)	
TAG NO: FT-IMS494	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM. FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: FLOW XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1152	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. USE: MAIN STEAM FLOW & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R3									
P.O #: 407118 CND #: 990	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X= 1544.0 Y= 1723.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: A
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G044

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: MAIN STEAM
TAG: FT-IMS494

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NUCLEAR PLANT UNIT 1 | 115300: WESTINGHOUSE - PWR | CES#-
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	H/M	UUTB ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT IMS 494	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500051	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABE E Pg. 3C		H	NONE	
FUNCT. DES: SG IC STEAM PRESS. & SERVICE PR ST II	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A w/PROJ. SPEC. 95333, R09 DWG. 8765066 R3 GEN. E SPEC. 95333, R0	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
SPECIFICATIONS:									
P.O #: 285110 CND #: SH-988	AGE-INST LIFE (PER 323-1970 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
PLANT LOC.: A.B. 31									
COORDINATES X- Y- Z- 261	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 494

QUALIF. STATUS:

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: C-8
MOUNTING:
EQ. DOC. LOC: w/P.O. 285110

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] 1&2 NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION

TAG NO: FT-IMS 495

EQUIPMENT TYPE: SENSOR

COMPONENT: FLOW XMTR.

MANUFACTURER: BARTON

MAJOR SUPPLIER: WESTINGHOUSE

MODEL AND SERIAL #: 764-1153

FUNCT. USE & SERVICE: MAIN STEAM FLOW

ACCUM. SPEC: N/A

ACCUM. DEM.: N/A

SPECIFICATIONS: W PROJECT SPEC. 955528, R1; W.E. SPEC. DWG 8765D45, R3

P.O #: 407118 CWO # 991

PLANT LOC.: CB 21

COORDINATES X- 1544.0, Y- 1713.0, Z- 236.0

INSTALLED (Y/N):

INSTAL. REF: BY FIELD

QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451

PHYS DWG LOC: INSTRUMENT LIST

MOUNTING:

EQ. DOC. LOC: W PRO. 407118

ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS
	1	2	3	4	5	6	7
OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20; SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE
TEMPERATURE	120°F NORM; FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1; FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10; SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K
PRESSURE	ATMOS. NORM.; FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14; SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM; FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14; SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16; SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
R GAMMA; A BETA; D SHIELD; T.I.D.	1.2 EG; 3.3 E7; 100% BETA; 1.2 EG	68.10 EG; 174.38 EG; 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11; SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20; SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE
SUBMERGED	228.3; YES	N/A	FSAR SECTION 3.6	N/A; SRS TAB E Pg 1E	N/A		NONE

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G044

ACCEL TIME: 1673 HOURS

ACCEL TEMP: 125°C

REPLACEMENT: 5.99 YEARS

MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS

SUBCOMPONENTS: O-RINGS & CONNECTORS

SAFETY FUNCTION: SEE ESE-3A, TAB "B"

AUTH. REFERENCE: M.J.H.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0

DATE: 6-21-84

SYSTEM: MAIN STEAM

TAG: FT-IMS495

A/E: BASS SERVICES INC. | FACILITY: SHEARON H. | TR NO.: | CAPACITY: 900 MW(E) | CESP-
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI | TEST

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT IMS 495	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500049	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABE E Pg. 3C		H	NONE	
FUNCT. USE: SG IC STEAM PRESS. & SERVICE PR ST III	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	5.8 E3 NEGL. 100% BETA 6.8 E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. BONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
SPECIFICATIONS: W. PROJ. SPEC. 95333 R0 & DWG. 876506, R3 GEN. E SPEC. 95333, R0									
P.O #: 285110 CND #: SH.988	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
PLANT LOC.: A.B. 31									
COORDINATES X- Y- Z- 261	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.K.
INSTALLED (Y/N):									
INDIAL. REF: BY FIELD QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVISION
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	D

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PTIMS495

QUALIF:
STATUS:

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: D-10
MOUNTING:
EQ. DOC. LOC: W/P.O. 285110

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO.: | ISSUE: WESTINGHOUSE - PWR | REV: 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	DUTS ITEMS	
	1		2	3		5	6	7	
TAG NO: PT IMS 496	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	—	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	104°F NORM. 104°F DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-5	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1B THRU 5B		M	NONE	REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11-B	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3C		M	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND: 763 SERIAL #: N8500054	RELATIVE HUMIDITY	20-90% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TABLE E Pg. 3C		H	NONE	
FUNCT. USE: SG 1A STEAM PRESS. & SERVICE PR ST IV	CHEMICAL SPRAY	N/A	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11-B	TEST REPORT SECT. 6.4 Pg. 17 SRS TAB E Pg. 6C		M	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	5.8E3 NEGL. 100% BETA 6.8E3	5.0 E7 90 E7 68 E7	FSAR FIG. 3.11B-24 RAD. ZONE R12	TEST REPORT SECT. 5.2 Pg. 11 SRS TAB E Pg. 1A THRU 3A		H	NONE	
SPECIFICATIONS: w/PROJ. SPEC. 95333, R0 & DWG 8765066, R3 GEN. E SPEC. 95333, R0									
P.O #: 285110 CWD #: SH.988	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 21 SRS TAB E Pg. 3B		—	NONE	SAFETY FUNCTION:
PLANT LOC.: A.B. 31									
COORDINATES X- Y- Z- 261	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A SRS TAB E	N/A	—	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
10CFR CATEG.: APPENDIX E	D

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G436 S04
PHYS DWG LOC: D-12
MOUNTING:
EQ. DUC. LOC: w/ P.O. 285110

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G042
TEST REPORT E01A

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 10-11-84

SYSTEM: MAIN STEAM
TAG: PT IMS 496

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO : 2MS VI SAB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: SOLENOID V.	TEMPERATURE	111° F NORM 340° F DBA		FSAR TABLE FSAR FIG.			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL	PRESSURE	ATMOS. NORM 48 PSIA DBA					/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: 832185E	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 7.2 E4 100% BETA 2.6 E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
SPECIFICATIONS:									
P.O #: 15176 CMD #: SH. 100 15 1002	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATION VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1492.0 Y- 1605.0 Z- 279.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G 067 (F-13)
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165-G042
VENDOR DWG. 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : MAIN STEAM
TAG : 2MS VI SAB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: 2MS VI SAB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	111 °F NORM 340°F DBA		FSAR TABLE FSAR FIG.			/		REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. 48 PSIA DBA					/		MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL									SUBCOMPONENTS:
MODEL AND SERIAL #: EA740-20100	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/		
FUNCTIONS & SERVICE									
ACCUR. SPEC: N/A	CHEMICAL SPRAY	N/A					/		
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 7.2 E4 100% BETA 2.6 E4		FSAR SECT. 3.11B-23 CONT. RAD. ZONE R17			/		
SPECIFICATIONS:									
P.O #: W/5176 CMD #: SH.1001 1002	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATIO. VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1492.0 Y- 1605.0 Z- 279.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	0588 CATEG.:	
	APPENDIX E	

PHYS DWG REF: CAR 2165 G 067(F-13)
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165-G042
VENDOR DWG. 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: MAIN STEAM
TAG: 2MS VI SAB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: 2MS VI SAB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	111 °F NORM 340°F DBA		FSAR TABLE FSAR FIG.			/		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
	PRESSURE	ATMOS. NORM. 48 PSIA DBA					/		
MAJOR SUPPLIER: ROCKWELL									SUBCOMPONENTS:
MODEL AND SERIAL #: EA740-20100	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/		
FUNCT. USE & SERVICE									
	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEA.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 7.2 E4 100% BETA 2.6 E4		FSAR SECT. 3.11B-23 CONT. RAD. ZONE R17			/		
SPECIFICATIONS:									
P.O #: W/5176 CHD #: SH.1001 & 1002	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATION VALVE
PLANT LOC.: A.B.									
COORDINATES X= 1492.0 Y= 1605.0 Z= 279.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS:

PHYS DWG REF: CAR 2165 G 067(F-13)
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. 2165-G042
VENDOR DWG. 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: MAIN STEAM
TAG: 2MS VI SAB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO : 2MS V2 SAB 1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: SOL. VALVE	TEMPERATURE	111° F NORM 340°F DBA		FSAR TABLE FSAR FIG.			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL	PRESSURE	ATMOS.-NORM 48PSIA DBA					/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: 832185E	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 7.2E4 100% BETA 2.6E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
SPECIFICATIONS:									
P.O #: W 15176 CWO # : SH.# 1003 1004	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATION VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1502.0 Y- 1605.0 Z- 279.0	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS:

PHYS DWG REF: CAR2165 G067(F-14)
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G042
VENDOR DWG. 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : MAIN STEAM

TAG : 2MS V2 SAB 1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO : 2MS V2 SAB1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	111° F NORM 340° F DBA		FSAR TABLE FSAR FIG.			/ H		REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM 48 PSIA DBA		—			/ H		MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL									SUBCOMPONENTS:
MODEL AND SERIAL #: EA740-20100	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCT.USE & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 7.2 E4 100% BETA 2.6 E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
SPECIFICATIONS: P.O #: 75176 CWO #: SH.# 1003 & 1004	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATION VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1502.0 Y- 1605.0 Z- 279.0	SUBMERGED	191'0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G067 (F-14)
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

SAR ENV CAT: A
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G042
VENDOR DWG

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : MAIN STEAM
TAG : 2MS V2 SAB 1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2MS V2 SAB1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: SOL. VALVE	TEMPERATURE	111° F NORM 340° F DBA		FSAR TABLE FSAR FIG.			/ H		REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM 48 PSIA DBA					/ H		MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL									SUBCOMPONENTS:
MODEL AND SERIAL #: 832185E	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5 E4 7.2 E4 100% BETA 2.6 E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
SPECIFICATIONS: P.O #: 15176 CMD #: SH.# 1003 & 1004	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATIO VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1502.0 Y- 1605.0 Z- 279.0	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS:

PHYS DWG REF: CAR 2165 G067 (F-14)
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G042
VENDOR DWG

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: MAIN STEAM
TAG: 2MS V2 SAB 1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALU[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2MS V3 SAB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	111° F NORM 340°F DBA		FSAR TABLE FSAR FIG.			/ H		REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	20-90% NORM 100% DBA					/ H		MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL									SUBCOMPONENTS:
MODEL AND SERIAL #: EA740-20100	RELATIVE HUMIDITY	100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 7.2E4 100% BETA 2.6E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
SPECIFICATIONS:									
P.O #: W15176 CWO # SH. #1005 & 1006	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM RELIEF VALVE
PLANT LOC.: A.B.									
COORDINATES X- 1512.0 Y- 1605.0 Z- 279.0	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	0588 CATEG.:	
	APPENDIX E	

PHYS DWG REF: CAR 2165 G067(F-15)
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. 2165-G042
VENDOR DWG 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: MAIN STEAM
TAG: 2MS V3 SAB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	UNITS ITEMS (7)	
TAG NO: 2MS V3 SAB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE	TEMPERATURE	111° F NORM 340°F DBA		FSAR TABLE FSAR FIG.			/ H		ACCEL TEMP:
COMPONENT: SOLENOID V.	PRESSURE	ATMOS. NORM. 48 PSIA DBA					/ H		REPLACEMENT:
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ H		MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL	CHEMICAL SPRAY	N/A					/		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 832185E	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 7.2E4 100% BETA 2.6E4		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R17			/ M		
FUNCTIONS & SERVICE:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION: MAIN STEAM ISOLATION VALVE
ACCUM. SPEC: N/A	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:
ACCUM. DEM.: N/A									
SPECIFICATIONS:									
P.O #: W15176 CWO #: SH.# 1005 & 1006									
PLANT LOC.: A.B									
COORDINATES X- 1512.0 Y- 1605.0 Z- 279.0									
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G 067(F-15)
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

SAR ENV CAT: A
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165-G042
VENDOR DWG. 1364-2092

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: MAIN STEAM
TAG: 2MS V3 SAB-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | [illegible]
UTILITY: [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]EET | CAPACITY: 900 MW(E) | [illegible]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: FT-IRC-414	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4774	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. UES & SERVICE: REACTOR COOLANT	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11B-18 CONT. RAD. ZONE C3			/		
ACCUR. DEM.: N/A 40 YN 5.0 E4									
SPECIFICATIONS: N. PROJ. SPEC. 953328, R3 955270, R0	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
P.O #: 414524 CHD # SH.#0195									
PLANT LOC.: C.B.									
COORDINATES X- 1454.0 Y- 1709.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ.DOC.LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC 0414

A/E: EE[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | [illegible]/N- 0
UTILITY: [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]EET | CAPACITY: 900 MW(E) | [illegible]SB-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: FT IRC-415	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4775	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. UES & SERVICE: REACTOR COOLANT									
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11B-18 CONT. RAD. ZONE C3			/		
SPECIFICATIONS: W. PROJ. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CHD #: SK#0195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X-1456.0 Y-1717.0 Z-236.0	SUBMERGED	228.3		FSAR SECTION			/		AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G 800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT IRC 0415

QUALIF. STATUS:

PHYS DWG REF: CAR-2166 G451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: FT IRC 0416	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4776	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. USE & SERVICE: REACTOR COOLANT									
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.3 E7		FSAR APP. 3.11B-18 CONT. RAD. ZONE C3			/		
SPECIFICATIONS: W PROJ. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CHD #: SK #0196	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- 1460.0 Y- 1725.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION			/		AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR-2166 G 451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING
EQ. DOC. LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G 800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT IRC 0416

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NO.1 | NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: FT-IRC-424	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4777	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. USE & SERVICE: REACTOR COOLANT									
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11B-18 CONT. RAD. ZONE C3			/		
SPECIFICATIONS: W. PROJ. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CHD #: SM#0195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- 1503.0 Y- 1646.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC-424

QUALIF:
STATUS

PHYS DWG REF: CAR-2166 G450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ.DOC.LOC:

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] .0.1 | NSSS: WESTINGHOUSE - PWR
UTILITY [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: FT-IRC425	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4778	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE: REACTOR COOLANT	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP 3.11.B-1 CONT. RAD. ZONE C 3					
SPECIFICATIONS: W. PROJ. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CMD #: SH.#195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X= 1496.0 Y= 1646.0 Z= 236.0	SUBMERGED	228.3		FSAR SECTION					AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR-2166 G450
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ. DOC. LOC:

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
CAR-2165 G800 - FLOW DIAG.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC425

A/E: E[illegible] RVICES INC. | FACILITY: SHEARON HA[illegible] 0.1 | NSSS: WESTINGHOUSE - PWR | #- 0
UTILITY: [illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY: 900 MW(E) | [illegible]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: FT-IRC 426	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4779	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE: REACTOR COOLANT									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3					
SPECIFICATIONS: N. PROU. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CHD #: SH. #195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- 1490.0 Y- 1648.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC:

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC 426

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | [illegible]V#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]CT | CAPACITY: 900 MW(E) | [illegible]S#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: FT-IRC 434	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4780	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. DES & SERVICE: REACTOR COOLANT	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUM. SPEC: N/A 40 YN 5.0E4	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11 B-18 CONT. RAD. ZONE C3			/		
ACCUM. DEM.: N/A W. PROJ. SPEC. 953328, R3									
SPECIFICATIONS: 955270, R0									
P.O #: 414524 CHD #: SH.#0195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- 1531.0 Y- 1736.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION			/		
									AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR-2166 G 451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC 434

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | EVA- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E) | ESA-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: FT-IRC 435	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4781	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCTIONS & SERVICE: REACTOR COOLANT	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A 40 YN 5.0E4	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11B-18 CONT. RAD. ZONE C3			/		
SPECIFICATIONS: W. PROJ. SPEC. 953328, R3 955270, R0									
P.O #: 414524 CHD #: SK #0195	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X-1536.0 Y-1730.0 Z-236.0	SUBMERGED	228.3		FSAR SECTION			/		AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ.DOC.LOC:

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW. DIAG.. GAR.: 2165 G 800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC 435

A/E: [illegible]CO SERVICES INC. | FACILITY: SHEARON [illegible] HIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALU[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: FT-IRC 436	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: SENSOR									ACCEL TEMP:
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/		SUBCOMPONENTS:
MODEL AND SERIAL #: 752 4782	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/		
FUNCT. DES & SERVICE: REACTOR COOLANT	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C1			/		
SPECIFICATIONS: N. PROJ. SPEC. 953328, R3 965270, R0									
P.O #: 414524 CHD #: SK#0196	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- 1544.0 Y- 1723.0 Z- 236.0	SUBMERGED	228.3		FSAR SECTION			/		
INSTALLED (Y/N):									AUTH. REFERENCE:
INSTAL. REF:									
QUALIF EXEMPTN:									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: FT-IRC 436

****
*QUALIF:
*STATUS
*
*
****

PHYS DWG REF: CAR-2166 G451
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ.DOC.LOC:

ARCS: [illegible] SERVICES INC.	FACILITY: SHEARON [illegible]	NSSS: WESTINGHOUSE - PWR	REV#- 0
UTILIT[illegible] [illegible]OLINA POWER & LIGHT	COMPONENT EVALUATI[illegible] [illegible]EET	CAPACITY: 900 MW(E)	CES#-

EQU[illegible] DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LT-IRC 459	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1145	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE: PRESSURIZER LVL. & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
ACCUM. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.
ACCUM. DEM.: N/A									
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CWO #: 145									
PLANT LOC.: CB 21									
COORDINATES X- Y- Z- 236.0									
INSTALLED (Y/N): INSTAL. REF: BY FIELD									

QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

FLOW DIAG. CAR 2165 G801.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ.DOC.LOC: W PRO. 407118

REVISION # : 0
DATE : 6-21-84

SYSTEM : REACTOR COOLANT
TAG : LT-IRC 459

A/E: E[illegible] CH SERVICES INC. | FACILITY: SHEARON [illegible] IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQU[illegible] DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		4	5	6	7	
TAG NO : LT-IRC 460	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON									MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER : WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL # : 764 1146	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: PRESSURIZER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 955328, R1 W.E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CND # : 145	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TABE Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X- 1496.0 Y- 1646.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING :
EQ.DUC.LOC: W PO. 407118

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G 801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION # : 0
DATE : 6-21-84

SYSTEM : REACTOR COOLANT
TAG : LT-IRC 460

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] 18-110.1 | NSSS: WESTINGHOUSE - PWR | REV#-
UTILI[illegible] [illegible]INA POWER & LIGHT | COMPONENT EVALUATI[illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/N	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: LT-IRC 461	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	16 YRS. NORMAL 6.5 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 THRU 20 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	104°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E Pg. 1D & 3B	COMB. TYPE TEST & SUPP. REVIEW	H	NORM. SERV. TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: LVL. XMTR.									REPLACEMENT: 5.99 YEARS
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 80 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: O-RINGS REPLACED @ 1 YR. CONNECTORS @ 5 YEARS
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS & CONNECTORS
MODEL AND SERIAL #: 764 1147	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 Pg. 14 SRS TAB E Pg. 3D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
FUNCT. DES: PRESSURIZER LVL. & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2500 PPM BORON PH 10.7	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 Pg. 16 SRS TAB E Pg. 4D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	68.10 E6 74.38 E6 100% BETA	FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 Pg. 10 & 11 SRS TAB E Pg. 1C, 2C & 3C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W PROJECT SPEC. 953328, R1 W E. SPEC. DWG 8765D45, R 3									
P.O #: 407118 CND #: 145	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 Pg. 20 SRS TAB E Pg. 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE ESE-3A, TAB "B"
PLANT LOC.: CB 21									
COORDINATES X= 1490.0 Y= 1647.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E Pg 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: REQUIRES ANALYSIS
STATUS

PHYS DWG REF: CAR 2165 G451
PHYS DWG LOC: INSTRUMENT LIST
MOUNTING:
EQ. DOC. LOC: W PO. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE 3A
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-3A

REVISION #: 0
DATE: 6-21-84

SYSTEM: REACTOR COOLANT
TAG: LT-IRC 461

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALU[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	QUIS ITEMS	
			2	3	4	5	6	7	
TAG NO: LT-IRC 1310 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: LEVEL TRANSMITTER									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCT. DES: (RVLIS) & SERVICE: REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: 459261 CMD #: SH-139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G437 S03
PHYS DWG LOC: H-4
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC 1310 SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: LIS-IRC1310 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: DIFF. PRESS. IND. SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 581	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. USE & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 4.0E4		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: 139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-49 TAB D
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G437 503
PHYS DWG LOC: G-4
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G 844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS IRC 1310SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNIT ITEMS	
	1		2	3		4	5	6	7	
TAG NO: LT-IRC1311SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: LEVEL TRANSMITTER TYPE									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE RG			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: SH.139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G437 S03
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC1311SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALU[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	QUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: LIS-IRC 1311SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: DIFF. PRESS. IND. SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 581	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES. & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 4.0 E4		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: SH.#139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-49 TAB B
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G437 S03
PHYS DWG LOC: G-4
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS-IRC 1311SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESQ-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: LT-IRC 1312 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: LEVEL TRANSMITTER									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. USE & SERVICE: (RVLIS) REACTOR VESSEL LEVEL									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A					M		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE RG			H		
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: 459261 CHD #: SH.139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:
QUALIF:
STATUS

PHYS DWG REF: CAR2166 G437 S03
PHYS DWG LOC: H-4
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G 844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC 1312 SA

U/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESP:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
			2	3	4	5	6	7	
TAG NO: LT-IRC 1320 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: LEVEL TRANSMITTER									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES: (RVLIS) & SERVICE, REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: 459261 CND #: SH.140	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF: CAR2166 G436 S02
PHYS DWG LOC: C-17
MOUNTING:
EW.DUC.LOC: w/ P.O. 459261

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G 844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC 1320 SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALU[illegible] SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: LT-IRC 1321 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: LEVEL TRANSMITTER									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES. & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE RG.			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: SH.140	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS

PHYS DWG REF: CAR 2166 G436 S02
PHYS DWG LOC: C-17
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC 1321 SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: LT-IRC 1322SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: LEVEL TRANSMITTER									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 752	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.5E5 7.2E4 100% BETA 1.6E5		FSAR FIG. 3.11B-23 ZONE R6			H		
ACCUM. DEM.: N/A									
SPECIFICATIONS:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 459261 CND #: SH.140									
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G436 S02
PHYS DWG LOC: C-17
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LT-IRC 1322SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: LIS-IRC 1312 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: DIFF. PRESS. IND. SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 581	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES: (RVLIS) & SERVICE REACTOR VESSEL LEVEL									
	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 7.0E4		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									
P.O #: 459261 CND # ISH.#139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE TAB B OF ESE-49
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G437 S03
PHYS DWG LOC: G-4
MOUNTING:
EQ.DOC.LOC: by P.O. 459261

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS-IRC 1312 SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 6
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: LIS-IRC 1320 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: DIFF. PRESS. IND. SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. & DBA					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 581	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES: (RVLIS) & SERVICE, REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 7.0 E4		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: 139	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-49 TAB B
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G436 S02
PHYS DWG LOC: B-17
MOUNTING:
EQ. DWG. LOC: w/ P.O. 459261

SAR ENV CAT:
NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. 2165 G 844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS-IRC 1320 SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 6
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: LIS-IRC 1321SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: DIFF. PRESS. IND. SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M		REPLACEMENT:
MANUFACTURER: BARTON									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA					M		SUBCOMPONENTS:
MODEL AND SERIAL #: 581	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT. DES: (RVLIS) & SERVICE REACTOR VESSEL LEVEL	CHEMICAL SPRAY	N/A					M		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 2.2E4 100% BETA 4.0E4		FSAR FIG. 3.11B-23 ZONE R6			H		
SPECIFICATIONS:									
P.O #: 459261 CND #: 140	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE TAB B OF ESE-49
PLANT LOC.: AB21									
COORDINATES X- Y- Z-236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE: M.J.N.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G436 S02
PHYS DWG LOC: B-17
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
9580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS-IRC 1321SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV-
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS
		1	2	3	4	5	6	7
TAG NO : LIS-IRC 1322 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW				
EQUIPMENT: DIFF. PRESS. IND. SW. TYPE	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-4			M	
COMPONENT:	PRESSURE	ATMOS. NORM. & DBA					M	
MANUFACTURER: BARTON	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M	
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	N/A					M	
MODEL AND SERIAL #: 581	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 4.0E4		FSAR FIG. 3.11B-23 ZONE RG			H	
FUNCT. DES & SERVICE: (RVLIS) REACTOR VESSEL LEVEL	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51				
ACCUM. SPEC: N/A	SUBMERGED	191.0 YES		FSAR SECT. 3.6				
ACCUM. DEM.: N/A								
SPECIFICATIONS:								
P.O #: 459261 CND #: 140								
PLANT LOC.: AB21								
COORDINATES X- Y- Z-236.0								

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION: SEE TAB B OF ESE-49
AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-49
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G436 S02
PHYS DWG LOC: B-17
MOUNTING:
EQ.DOC.LOC: w/ P.O. 459261

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-49

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: LIS-IRC 1322 SB

A/E: EBASCO [redacted] ES INC. | FACILITY: SHEARON HARR[redacted] | NSSS: WESTINGHOUSE - PWR
UTILITY: CA[redacted] POWER & LIGHT | COMPONENT EVALUATION [redacted] | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO: PT-1RC402	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	10 YEARS NORMAL 6.525 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	/	NONE
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H/	NORM. SERV. TEMP. SEE TAB K
COMPONENT: PRESS. TRANSMITTER	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE
MANUFACTURER: BARTON	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 PAGE 17 SRS TAB E PAGE 6C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE
MODEL AND SERIAL #: 763 584	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	5.0 E7 90 E7 68 E7	FSAR APP. 3.11.8-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 PAGE 11 SRS TAB E PAGE 1A THRU 3A	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE
FUNCT. DES & SERVICE: WIDE RANGE PRESS. REACTOR COOLANT, LOOP C	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 PAGE 21 SRS TAB E PAGE 3B	COMB. TYPE TEST & SUPP. REVIEW	/	NONE
ACCUM. SPEC: N/A	SUBMERGED	228.3	N/A	FSAR SECTION 3.6	N/A SRS TAB E	N/A	/	NONE
ACCUM. DEM.: N/A								
SPECIFICATIONS: M.PROJ. SPEC. 953328, R1 M.E. SPEC. DWG 8765D46, R3								
P.O #: 407118 CHD #: SW.M197								
PLANT LOC.: C.B. 21								
COORDINATES X-1531.0 Y-1736.0 Z-236.0								
INSTALLED (Y/N): LATER								
INSTAL. REF: LATER								
QUALIF. EXEMPTN: NO								

ACCEL TIME: 1673 HRS.
ACCEL TEMP: 125°C
REPLACEMENT: 5.99 YRS.
MAINTAIN.: O-RINGS REPLACED AT 1 YR. CONNECTORS AT 5 YRS.
SUBCOMPONENTS: O-RINGS CONNECTORS
SAFETY FUNCTION: SEE TAB "B", ESE-1A
AUTH. REFERENCE: M.J.H.

QUALIF: NOT QUALIF. REQUIRES
STATUS: MAJOR ANALYSIS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT	A
DSGN CATEG.	
APPENDIX E CATEG.	A

OTHER EQUIPMENT THIS CES APPLIES TO: N/A

REFERENCES:
FLOW DIAG. CAR-2165 G-800
TEST REPORT, E01A, R 1
EQUIP. QUAL. DATA PKG. ESE-1A, R 3

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

PHYS DWG REF: CAR-2166 G451
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: w/ P.O. 407118

REVISION #: 0
DATE: 12-29-84
SYSTEM: REACTOR COOLANT (RVLIS)
TAG: PT-1RC402

A/E: E[illegible]CO SERVICES INC. FACILITY: SHEARON [illegible] NO.1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible] LINA POWER & LIGHT COMPONENT EVALUATI[illegible]ET CAPACITY: 900 MW(E) [illegible]ES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : PT-IRC403 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: SENSOR TYPE									ACCEL TEMP:
COMPONENT: PRESS. TRANSMITTER	TEMPERATURE	120°F NORM 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: VERITRAK									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1(DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #: 762PH2 N1250023	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			H		
FUNCT. USE & SERVICE: RCS WIDE RANGE LOOP A PRESS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7 100% BETA 1.2E6		FSAR APP. 3.11B-20 CONT. RAD. ZONE C3			H		
SPECIFICATIONS:									
P.O #: W/435002 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: CB									
COORDINATES X- Y- Z- 236.0	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR.2165 G 844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : PT-IRC403 STB

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

2

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: PT-IRC-455	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	10 YEARS NORMAL 6.525 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1 THRU 5	COMB. TYPE TEST & SUPP. REVIEW	/	NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM. FSAR FIG. 3.11.4-1 FOR LBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1, PAGE 9 & 10 SRS TAB E PAGE 1 THRU 5	COMB. TYPE TEST & SUPP. REVIEW	H/	NORM. SERVICE TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TABLE E PAGE 3C & 5C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	REPLACEMENT: 5.99 YRS.
MANUFACTURER: BARTON	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	MAINTAIN.: O-RINGS REPLACED AT 1 YR. CONNECTORS AT 5 YRS.
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 PAGE 17 TAB E PAGE 6C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND SERIAL #: 763 581	R GAMMA A BETA B SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	5.0 E7 90 E7 68 E7	FSAR APP. 3.11B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 PAGE 11 SRS PAGE 1A THRU 3A	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
FUNCT. DES & SERVICE: PRESSURIZER PRESS.	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 PAGE 21 SRS PAGE 3B TAB K	COMB. TYPE TEST & SUPP. REVIEW	/	NONE	SAFETY FUNCTION: SEE TAB "B" ESE-1A
ACCUR. SPEC: N/A 40 YN 5.0E4	SUBMERGED	228.3	N/A	FSAR SECTION 3.6	N/A SRS PAGE 1E TAB E	N/A	/	NONE	

ACCUR. DEM.: N/A
W. PROJ. SPEC. 953328, R1
W.E. SPEC. DWG. 8765D46, R3

SPECIFICATIONS:

P.O #: 407118 CWD #: SH. 148

PLANT LOC.: C.B.21

COORDINATES X- 1456.0
Y- 1653.0
Z- 236.0

INSTALLED (Y/N): LATER
INSTAL. REF: LATER

QUALIF EXEMPTN: NO

QUALIF STATUS: NOT QUALIF. REQUIRES MAJOR ANALYSIS

PHYS DWG REF: CAR-2166 G-450
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O & SE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: A
DSSR CATEG.:
APPENDIX E CATEG A

OTHER EQUIPMENT THIS CES APPLIES TO:
N/A

REFERENCES:
FLOW DWG. CAR-2165 G801
TEST REPORT EQIA, R1
EQUIP QUAL. DATA PKG. ESE-1A, R3

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 12-29-84

SYSTEM: REACTOR COOLANT
TAG: PT-IRC-455

AUTH. REFERENCE: M.J.H.

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARR.
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

3

TAG NO: PT-IRC456

EQUIPMENT TYPE: SENSOR

COMPONENT: PRESS. TRANSMITTER

MANUFACTURER: BARTON

MAJOR SUPPLIER: WESTINGHOUSE

MODEL AND SERIAL #: 763 582

FUNCT. DES & SERVICE: PRESSURIZER PRESSURE

ACCUM. SPEC: N/A

ACCUM. DEM.: N/A
W. PROJ. SPEC. 953328, R1
W.E. SPEC. DWG 8765D46, R3

SPECIFICATIONS:

P.O #: 407118 CHD #: SH 148

PLANT LOC.: C.B.

COORDINATES X-1490.0
Y-1648.0
Z-236.0

INSTALLED (Y/N): AFTER
INSTAL. REF: LATER
QUALIF EXEMPTN: NO

QUALIF STATUS: NOT QUALIF. REQUIRES MAJOR ANALYSIS

PHYS DWG REF: CAR-2166G 450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC.: W P.O. 407118

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	10 YEARS NORMAL 6.525 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HRS.
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H/	NORM. SERV. TEMP. SEE TAB H	ACCEL TEMP: 125°C REPLACEMENT: 5.99 YRS.
	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 75 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	MAINTAIN.: O-RINGS REPLACED AT 1 YR. CONNECTORS AT 5 YRS. SUBCOMPONENTS: O-RINGS CONNECTORS
	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 PAGE 17 SRS TAB E PAGE 6C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
	40 yr) 5.0E4 R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	5.0 E7 90 E7 68 E7	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 PAGE 11 SRS TAB E PAGE 1A THRU 3A	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 PAGE 21 SRS TAB E PAGE 3B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB "B" ESE-1A
	SUBMERGED	228.3	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: A
10 CFR 50 CATEG.:
APPENDIX E, CAT. A

OTHER EQUIPMENT THIS CES APPLIES TO:
N/A

REFERENCES:
FLOW DIAG. CAR-2165 G801
TEST REPORT E01A, R1
EQUIP. QUAL. DATA PKG. ESE-1A, R3

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 12-29-84

SYSTEM: REACTOR COOLANT
TAG: PT-IRC456

A/E: EBASC[illegible]CES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]
COMPONENT EVALUATION SHEE[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]-4

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: PT-IRC 457	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	10 YEARS NORMAL 6.525 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 18 & 19 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 1673 HRS.
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	120°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 & 10 SRS TAB E PAGE 1B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H/	NORM. SERVICE TEMP. SEE TAB K	ACCEL TEMP: 125°C
COMPONENT: PRESS. TRANSMITTER									REPLACEMENT: 5.99 YRS.
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 75 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	MAINTAIN.: O-RINGS REPLACED AT 1 YR. CONNECTORS AT 5 YRS.
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS: O-RINGS CONNECTORS
MODEL AND SERIAL #: 763 583	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.4 PAGE 14 SRS TAB E PAGE 3C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
FUNCT. DES: PRESSURIZER & SERVICE PRESSURE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2000-2100 PPM BORON PH 8.5-11.0	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 6.4 PAGE 17 SRS TAB E PAGE 6C	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A W. PROJ. SPEC. 953328, R1 W. E. SPEC. DWG.	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	5.0 E7 9.0 E7 68 E7	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SECT. 5.2 PAGE 11 SRS TAB E PAGE 1A THRU 3A	COMB. TYPE TEST & SUPP. REVIEW	H/	NONE	
SPECIFICATIONS: 8765D46, R3									
P.O #: 407118 CWO # SH.#148	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	5.99 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.5 PAGE 21 SRS TAB E PAGE 3B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B, ESE-1A
PLANT LOC.: C.B. 21									
COORDINATES X- 1490.0 Y- 1648.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N): LATER
INSTAL. REF: LATER
QUALIF EXEMPTN: NO

QUALIF STATUS: NOT QUALIF. REQUIRES MAJOR ANALYSIS

PHYS DWG REF: CAR-216G G450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: WALL MOUNT
EQ. DOC. LOC: W P.O. 407118

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: A
10 CFR 50 CATEG.:
APPENDIX F CATEG. A

OTHER EQUIPMENT THIS CES APPLIES TO: N/A

REFERENCES:
FLOW DIAG. CAR-216S G801
TEST REPORT, EQ1A, R1
EQUIP. QUAL. DATA PKG. ESE 1A, R3

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-1A

REVISION #: 0
DATE: 2-29-84

SYSTEM: REACTOR COOLANT
TAG: PT-IRC 457

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E) | S#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/M	7 DUTS ITEMS	
TAG NO: IRC-V526SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TABLE PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456, PAGE 10 & 14 SRS TABLE PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SB-00 [illegible]61	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TABLE PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TABLE PAGE 1E	
FUNCT. DES: REACTOR COOLANT & SERVICE SERVING VALVE IRC-V526SN-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TABLE PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A W. PROJ. SPEC. 952065 05	H GAMMA A BETA D SHIELD T.I.D.	1.3 E7 3.7 E8 100% BETA 1.3E7	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C6	TEST REPORT SEC. 4.3 PAGE 12 SRS TABLE D FIG THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TABLE PAGE 1G	
SPECIFICATIONS: W.E. SPEC. 678852 02									
P.O. # 173662 CHD # SH.#0160	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS	456 YE	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TABLE PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TABLE PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B. 41									
COORDINATES X-1484.0 Y-1666.0 Z-309.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TABLE PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									
INSTAL. REF: BY FLD.									
QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSDR CATEG.:	A
APPENDIX F	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-801
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

QUALIF. STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G148
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING [illegible]
FD. DOC. LOC: W. P.O. 173662

REVISION #: 0
DATE: 4-21-84

SYSTEM: REACTOR COOLANT
TAG: IRC-V526SN-1

A/E: EBA [redacted] ERVICES INC. | FACILITY: SHEARON HA [redacted] 0.1 | NSSS: WESTINGHOUSE - PWR | [redacted] 9
UTILITY: [redacted]ROLINA POWER & LIGHT | COMPONENT EVALUATION [redacted] | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: IRC-V527SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SB-00 [illegible]	R GAMMA A BETA D SHIELD T.I.D.	1.3 E7 3.7 E8 100% BETA 1.3 E7	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C6	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
FUNCTIONS & SERVICE: REACTOR COOLANT SERVING VALVE IRC-V527SN-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
ACCUM. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

ACCUM. DEM.: N/A
W. PROJ. SPEC. 952065 05
SPECIFICATIONS: W.E. SPEC. 678862 02
P.O #: 173662 CND # 13H#0161
PLANT LOC.: C.B. 41
COORDINATES X- 1484.0 Y- 1669.0 Z- 309.0
INSTALLED (Y/N):
INSTAL. REF: BY FCD.
QUALIF EXEMPTN: N/A

*QUALIF: QUALIFIED AWAITING
*STATUS CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G148
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-801
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: REACTOR COOLANT
TAG: IRC-V527SN-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS U.1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/M	7 OUTS ITEMS	
TAG NO: IRC-V528SN-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HRS.
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SB00	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H.	SEE TAB E, PAGE 1E	
FUNCT. DES & SERVICE: REACTOR COOLANT SERVING VALVE IRC-V528SN-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8 100% BETA 1.3E7	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C6	TEST REPORT SEC. 4.3 PAGE 12, SRS TAB D PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
SPECIFICATIONS: W. PROJ. SPEC. 952065 05 W. E. SPEC. 678852 02									
P.O #: 173662 CHD #: SH.#0250	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B. 21									
COORDINATES X- 1459.0 Y- 1701.0 Z- 241.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPT: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G/148
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10500 CATEG.:	A
APPENDIX E	

HE-1

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-801
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: REACTOR COOLANT
TAG: IRC-V528SN-1

A/E: EBASCO SERVICES INC.
UTIL: LINA POWER & LIGHT

FACILITY: SHEARON HARRIS NO. 1
COMPONENT EVALUATION REPORT

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV: 0
CESP:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	ENV. QUALIF.	DOCUMENTATION ACTUAL	DOC. QUALIF.	QUALIF. METHOD	H/W	QUIS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2RC-D525 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2RC-D525 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 4.4E5 100% BETA 2.6E4		FSAR FIG. 3.11B- RAD. ZONE R11					
ACCUM. DEM.: N/A SPECIFICATIONS: GEN. E-SPEC. 678853, R2 PROJ. E-SPEC. 952073, R4	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 162148 CND #:									
PLANT LOC.: A.B. 21	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
COORDINATES X= 1556.0 Y= 1657.0 Z= 245.0									

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G108
PHYS DWG LOC: F-9
MOUNTING
EQ.DOC.LOC: w/P.O. 162148

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10CFR50 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D19, 1364-4469
FLOW DIAG. CAR 2165 G801 (C-17)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D525 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#-
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	QUIS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2RC-D525 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2RC-D525 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.5E4 4.4.E5 100% BETA 2.6E4		FSAR FIG. 3.11B- RAD. ZONE R11					
ACCUM. DEM.: N/A									
SPECIFICATIONS: GEN. E-SPEC. 678853, R2 PROJ. E-SPEC 952073, R4									
P.O #: 162148 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1556.0 Y- 1657.0 Z- 245.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G108
PHYS DWG LOC: F-9
MOUNTING:
EQ.DOC.LOC: w/ P.O. 162148

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D19, 1364-4469
FLOW DIAG. CAR2165 G801 (C-17)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D525 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2RC-D528SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: VALVE TYPE DIAPH.									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		MAINTAIN.:
MAJOR SUPPLIER: GRINNELL									SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: REACTOR COOLANT SERVING VALVE 2RC-D528SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3			/ H		
ACCUR. DEM.: N/A									
SPECIFICATIONS: W.PROJ.SPEC. 952067 02 W.E. SPEC. 678845 01	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
P.O #: 191003 CHD # SH.#0170									
PLANT LOC.: C.B. 21	SUBMERGED	228.3 YES	N/A	FSAR SECTION —		N/A	/	NONE	AUTH. REFERENCE:
COORDINATES X-1508.0 Y-1639.0 Z-255.0									

INSTALLED. (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR-2165 G-147
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D528SA-1

A/E: [illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible]RIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUAT[illegible] SHEET | CAPACITY: 900 MW(E) | [illegible]CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: 2RC-D528SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE DIAPH.									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		MAINTAIN.:
MAJOR SUPPLIER: GRINNELL									SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-14302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: REACTOR COOLANT SERVING VALVE 2RC-D528SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7		FSAR APP 3.11.B-18 CONT. RAD. ZONE C3			/ H		
ACCUM. DEM.: N/A									
SPECIFICATIONS: W. PRW. SPEC. 952067.02 W.E. SPEC. 67884501	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
P.O #: 191003 CHD # SH#0170									
PLANT LOC.: C.B.21	SUBMERGED	228.3		FSAR SECTION			/	NONE	AUTH. REFERENCE:
COORDINATES X-1508.0 Y-1639.0 Z-255.0		YES	N/A			N/A			

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D528SA-1

*QUALIF:
*STATUS
*
*

PHYS DWG REF: CAR-2165 G-147
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

A/E: EBASCO SERVICES INC.
UTILITY: LINA POWER & LIGHT

FACILITY: SHEARON HARRIS NO. 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNIT ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2RC-D529 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2RC-D529 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD • T.I.D.	2.0E4 7.2E4 100% BETA 9.2E4		FSAR FIG. 3.11B- RAD. ZONE RG					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1510.0 Y- 1610.0 Z- 236.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR-2165 G182
PHYS DWG LOC: K-10
MOUNTING:
EQ. DOC. LOC: w/P.O. 191003

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG SD-C-102864
1364-2947
FLOW DIAG. CAR-2165 G801 (C-17)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D529 SB-

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	QUIS ITEMS	
		2		3	4	5	6	7	
TAG NO: 2RC-D529SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTIGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2RC-D529SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952067,R2	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 9.2 E4		FSAR FIG. 3.11B- RAD. ZONE RC					
SPECIFICATIONS: GEN. E-SPEC. 678845,R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1510.0 Y- 1610.0 Z- 236.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165G182
PHYS DWG LOC: K-10
MOUNTING:
EQ.DOC.LOC: w/P.O. 191003

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9500 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. SD-C-102864
1364-2947
FLOW DIAG. CAR-2165 G801 (C-17)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: 2RC-D529SB-1

A/E: EBA[redacted] CES INC. | FACILITY: SHEARON HA[redacted] | NSSS: WESTINGHOUSE - PWR
UTILITY: [redacted]A POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: TE-IRC 0410	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 116 SRS TAB E PAGE 1B THRU 1D	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT: SENSOR TYPE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 SRS TAB E PAGE 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E P. 6C OF 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 20 YEARS
MANUFACTURER: RdF	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E P. 7C OF 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E PAGE 9C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21205 213	R GAMMA A BETA D SHIELD T.I.D.	1.1 EG 1.7 E7 100% BETA 1.15 EG	24.7E7 GAMMA 91.3E7 BETA 100% BETA 24.7E7	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E PAGE 2B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCTIONS & SERVICE: REACTOR COOLANT LOOP 1 COLD LEG TEMP.	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E PAGE 1B THRU 1D	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
ACCUM. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
ACCUM. DEM.: N/A W.E. SPEC. 953332, RO DWG.									
SPECIFICATIONS: #3258, #6									
P.O #: 265762 CND #: SH.#184									
PLANT LOC.: C.B. 21									
COORDINATES X- 1470.0 Y- 1703.0 Z- 255.0									
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED - WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: C-16
MOUNTING:
EQ.DOC.LOC: W/ P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-5
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0410

A/E: EBA [redacted] ICES INC. | FACILITY: SHEARON HA[redacted] | NSSS: WESTINGHOUSE - PWR
UTILITY: [redacted]NA POWER & LIGHT | COMPONENT EVALUATION [redacted] | CAPACITY: 900 MW(E) [redacted]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 N/M	7 OUTS ITEMS	
TAG NO: TE-IRC 0411B EQUIPMENT TYPE: SENSOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.25 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F REPLACEMENT: 23 YEARS
MANUFACTURER: RdF	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 216 FUNCT. DES & SERVICE: REACTOR COOLANT, DIFF.-TEMP.-TEMP. AVG. CONTROL HOT LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A ACCUR. DEM.: N/A N.E. SPEC. 953337, R0 DWG. 43257, R7 SPECIFICATIONS:	R GAMMA A BETA D SHIELD T.I.D.	1.1 E6 1.7 E7 100% BETA 1.15 E6	24.7 E7 GAMMA 191.7 E3 BETA 1100% BETA 24.7 E7	FSAR APP. 3.11B-2D CONT. RAD. ZONE C/	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
P.O #: 265762 CND #: SH. #187 PLANT LOC.: C.B. 21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X= 1478.0 Y= 1708.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.M.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED - WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W R.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT: 0588 CATEG.: APPENDIX E	A

ESE-6

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0411B

A/E: EBA[illegible] CES INC. FACILITY: SHEARON HAR[illegible] NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]NA POWER & LIGHT COMPONENT EVALUATION CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3		4	5	7	
TAG NO: TE-IRC 0411C	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT									REPLACEMENT: 23 YEARS
MANUFACTURER: RdF	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 217	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT, DIFF. TEMP. - TEMP AVG. CONTROL - COLD LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 1.7E7 100% BETA 1.15E6	24.7E7 GAMMA 91.3E7 BETA 100% BETA 24.7E7	FSAR APP 3.11.B-20 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W.E. SPEC. 25337 R0 DWG. 43257, R7									
P.O #: 265762 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: C.B..21									
COORDINATES X- 1472.0 Y- 1702.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSSS CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G 802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

QUALIF STATUS: QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ.DOC.LOC: W/P.O. 265762

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0411C

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | NSSS: WESTINGHOUSE - PWR
UTILITY: POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)
TAG NO: TE-IRC 0412A EQUIPMENT TYPE: SENSOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL. 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4.1 FOR DBA	122°F NORM 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
MANUFACTURER: RdF MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
MODEL AND SERIAL #: 2120 & 218	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
FUNCT. DES & SERVICE: REACTOR COOLANT DIFF. TEMP. - TEMP. AVG. PROTECTION	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
ACCUR. SPEC: N/A ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 1.7E7 100% BETA 1.15E6	24.7E7 GAMMA 91.3E7 BETA 100% BETA 24.7E7	FSAR APP. 3.11B-2.0 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
SPECIFICATIONS: W.E. SPEC. 953337 R2 DWG. 43257, R5 P.O. # 265762 CWO # SH. #0191	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE
PLANT LOC.: C.B. 21 COORDINATES X- 1477.0 Y- 1708.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE

SAFETY FUNCTION: SEE TAB B OF ESE-6

AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED - WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: w/ P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0412A

ACCEL TIME: 264 HOURS
ACCEL TEMP: 400°F
REPLACEMENT: 23 YEARS
MAINTAIN.:
SUBCOMPONENTS:

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | NSSS: WESTINGHOUSE - PWR
UTILITY: POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: TE-IRC 0412B EQUIPMENT TYPE: SENSOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 mo. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 219	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. DES & SERVICE: REACTOR COOLANT DIFF. TEMP.-TEMP. AVG. PROTECTION	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E P. 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1 EG 1.7 E7 100% BETA 1.15 EG	24.7 E7 GAMMA 91.3 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: MFG. SPEC. 953337R0 DWG. 43257, R7 P.O #: 265762 CND # ISR #191 PLANT LOC.: C-B-21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E P. 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X-1476.0 Y-1708.0 Z-236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ. DOC. LOC: w/ P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0412B

A/E: E[illegible] CH SERVICES INC. | FACILITY: SHEARON [illegible] NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | [illegible]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: TE-IRC 0412C	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 76 OF 96	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT									REPLACEMENT: 23 YEARS
MANUFACTURER: RdF	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 76 OF 96	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 220	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 76 OF 96	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE: REACTOR COOLANT, & SERVICE DIFF. TEMP.-TEMP. AVG. CONTROL-COLD LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 86 OF 96	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 91.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A									
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 DWG. 43257, R7	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
P.O #265762 CND # 1191									
PLANT LOC.: CB. 31	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
COORDINATES X= 1470.0 Y= 1704.0 Z= 257.0									

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION # 0
DATE 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0412C

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible] POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | ESS-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3		4	5	6	7	
TAG NO: TE-IRC 0412D	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW		TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR										ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1		TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS
MANUFACTURER: RdF										MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)		TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 221	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)		TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT DIFF. TEMP-TEMP. AVG. PROTECTION	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1		TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 14.7 E6	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5		TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1G THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A										
SPECIFICATIONS: W E.SPEC. 953337 REV. 0 DWG. 43257, R7	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51		TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
P.O #265762 CND # 1191										
PLANT LOC.: CB. 31	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6		N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
COORDINATES X- 1469.0 Y- 1704.0 Z- 257.0										
INSTALLED (Y/N):										

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A
QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

REVISION #: 0
DATE: 6-18-84
SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0412D

A/E: EBA[illegible]CES INC. FACILITY: SHEARON HA[illegible] NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]A POWER & LIGHT COMPONENT EVALUATION CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	1 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	H/M	7 OUTS ITEMS	
TAG NO: TE-IRC 0413	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E PAGE 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 SRS TAB E PAGE 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E P. 6C OF 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 20 YEARS
MANUFACTURER: RdF	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRB TAB E P. 7C OF 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E PAGE 9C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21205 214	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	24.E7 GAMMA 91.3E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 2B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. DES & SERVICE: REACTOR COOLANT LOOP 1 HOT LEG TEMP.	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E P. 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
ACCUR. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
ACCUR. DEM.: N/A									

SPECIFICATIONS: W.E. SPEC. 953337 RC DWG. 43258 RG
P.O #: 265762 CHD #: SH. # 183
PLANT LOC.: C.B.31
COORDINATES X- 1475.0 Y- 1709.0 Z- 257.0
INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: w/ P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-5
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSSS CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0413

A/E: EBA CES INC. FACILITY: SHEARON HA 1 NSSS: WESTINGHOUSE - PWR
UTILITY: POWER & LIGHT COMPONENT EVALUATION CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		4		7	
TAG NO: TE-IRC 0420	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E Pg. 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT 5.1 Page 9 SRS TAB E Page 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT									REPLACEMENT: 20 YEARS
MANUFACTURER: RdF	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E Pg. 6C of 8C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: R1205 215	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT 5.6 PAGE 12 & 13 SRS TAB E Pg. 7C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT LOOP 2 COLD LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E PAGE 9C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	24.E7 GAMMA 91.3E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 Page 9 & 10 SRS TAB E Pg. 2B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: WE. SPEC. 953337 20 Dwg. 4325 8, RG1									
P.O #: 265762 CND #: SH. # 184	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 Page 16 SRS TAB E Pg. 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
PLANT LOC.: C.B. 31									
COORDINATES X-1511.0 Y-1678.0 Z-257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: HJ.H
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-5
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	-
0588 CATEG.:	A
APPENDIX E	

QUALIF: STATUS QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0420

A/E: E[illegible] SO SERVICES INC. | FACILITY: SHEARON | I.D. NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: [illegible]A POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | ESE-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5		7	
TAG NO: TE-IRC 0421B EQUIPMENT TYPE: SENSOR COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: 21204 222 FUNCT. USE & SERVICE: REACTOR COOLANT, DIFF. TEMP-TEMP. AVG. CONTROL-HOT LEG ACCUM. SPEC: N/A ACCUM. DEM.: N/A SPECIFICATIONS: W E.SPEC. 953337 REV.0 Dwg. 43257.R7 P.O #265762 CND # 1187 PLANT LOC.: CB. 31 COORDINATES X-1511.0 Y-1676.0 Z-257.0 INSTALLED (Y/N): INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A QUALIF: QUALIFIED STATUS WITHOUT EXCEPTION PHYS DWG REF: CAR 2165 G163 PHYS DWG LOC: TOTAL EQPT. LIST MOUNTING EQ. DOC. LOC: W P.O. 265762	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F REPLACEMENT: 23 YEARS MAINTAIN.: SUBCOMPONENTS:
TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE		
PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE		
RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE		
CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE		
R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 191.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1G THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE		
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE		SAFETY FUNCTION: SEE TAB B OF ESE-6
SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE		AUTH. REFERENCE: M.J.H.

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSSS CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION # : 0
DATE : 6-18-84

SYSTEM : REACTOR COOLANT
TAG : TE-IRC 0421B

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | [illegible] NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] PUBLIC POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | [illegible]

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/H	OUTS ITEMS	
TAG NO: TE-IRC 0421C EQUIPMENT TYPE: SENSOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS
MANUFACTURER: RdF MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.: SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 223 FUNCT. USE & SERVICE: REACTOR COOLANT DIFF. TEMP.-TEMP. AVG. CONT. HOT LEG	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 191.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 Dwg. 43257 R7 P.O #1265762 CHD # 1187 PLANT LOC.: CB. 31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X= 1509.0 Y= 1681.0 Z= 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A
QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW. DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

REVISION #: 0
DATE: 6-18-84
SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0421C

A/E: [illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] [illegible] POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | ESE-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
TAG NO: TE-IRC 0422A	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS
MANUFACTURER: RdF									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 224	RELATIVE HUMIDITY	40% NORM. 100% DBA.	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCTIONS & SERVICE: REACTOR COOLANT, DIFF. TEMP.-TEMP. AVG. PROTECTION	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 91.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONES	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 983337 REV. 0 DWG. 43257, R7									
P.O #265762 CWO # 1191	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 31									
COORDINATES X- 1512.0 Y- 1671.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSBB CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0422A

A/E: E[illegible] CO SERVICES INC.
UTILIT[illegible] [illegible]NIA POWER & LIGHT

FACILITY: SHEARON [illegible]
COMPONENT EVALUATI[illegible]

[illegible]-110.1

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
[illegible]ES#-

EQUIP. DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
TAG NO: TE-IRC 0422B EQUIPMENT: SENSOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 225 FUNCT. USE & SERVICE: REACTOR COOLANT LOOP B DIFF. TEMP.-TEMP. AVG.	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W.E. SPEC. 953337 REV. 0 DWG. 43257, R7 P.O #1265762 CHD # 1191	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 31 COORDINATES X= 1512.0 Y= 1672.0 Z= 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0422B

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON | IP-110.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT [illegible] POWER & LIGHT | COMPONENT EVALUATIO | CAPACITY: 900 MW(E) | ESE-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
TAG NO: TE-IRC 0422C EQUIPMENT: SENSOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 226 FUNCT. DES & SERVICE: REACTOR COOLANT, LOOP C PROTECTION DIFF. TEMP - TEMP. AVG	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E.SPEC. 953337 REV. 0 DWG. 43257, R7 P.O #: 265762 CMD #: 1191	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 31 COORDINATES X= 1511.0 Y= 1679.0 Z= 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0422C

A/E: E[illegible] CO SERVICES INC. FACILITY: SHEARON [illegible] NSSS: WESTINGHOUSE - PWR EVA- 0
UTILIT[illegible] POWER & LIGHT COMPONENT EVALUATI[illegible] CAPACITY: 900 MW(E) [illegible]

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
TAG NO: TE-IRC 0422D EQUIPMENT: SENSOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 227 FUNCT. USE & SERVICE: REACTOR COOLANT DIFF. TEMP.-TEMP. AVG PROTECTION	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	124.7 E7 GAMMA 191.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 DWG. 43257, R7 P.O # 265762 CHD # 191 PLANT LOC.: CB. 31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X- 1510.0 Y- 1680.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0422D

A/E: EBA[illegible] CES INC. | FACILITY: SHEARON HA[illegible] | NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]na POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENV. QUALIF.	DOCUMENTATION ACTUAL	DOC. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: TE-IRC 0423 EQUIPMENT TYPE: SENSOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 16.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E Pg 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 9 SRS TAB E PAGE 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 20 YEARS
MANUFACTURER: RdF	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E Pg 6C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT 5.6 Pg 12 & 13 SRS TAB E Pg 7C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21205 216 FUNCT. DES & SERVICE: REACTOR COOLANT LOOP 2 HOT LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 Pg 12 & 13 SRS TAB E PAGE 9C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	247 E7 GAMMA 91.367 BETA 100% BETA 247 E7	FSAR APP 3.11.B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 Pg 9 & 10 SRS TAB E Pg 2B THRU 5B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A									
SPECIFICATIONS: WE. SPEC. 953337, R0 DWG. 43258, R6 P.O #: 265762 CWO #: 15H.#183	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E Pg 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
PLANT LOC.: C.B. 31									
COORDINATES X- 1513.0 Y- 1673.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A	PARAMETER	SUPPL. REVIEW	OTHER EQUIPMENT THIS CES APPLIES TO:						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5
QUALIF: STATUS QUALIFIED WITHOUT EXCEPTION	OPERABILITY	O ESE-5							
	TEMPERATURE	T							
	PRESSURE	P							
	REL. HUMDTY	H							
	CHEM. SPRAY	C							
PHYS DWG REF: CAR-2165 G163	RADIATION	R	REFERENCES: FLOW DIAG. CAR-2165 G 800						REVISION #: 0
PHYS DWG LOC: TOTAL EQUIP. LIST	AGING	A							DATE: 6-18-84
MOUNTING:	SUBMERGENCE	S							
EQ. DOC. LOC: W P.O. 265762	SAR ENV CAT:								SYSTEM: REACTOR COOLANT
	DSBB CATEG.:	A							TAG: TE-IRC 0423
	APPENDIX E								

/E: EBASCO S INC.
TILITY: CA. POWER & LIGHT

FACILITY: SHEARON HARRI
COMPONENT EVALUATION SH.

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: TE-IRC 0430	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 6.52 MO POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 Pg. 16 SRS TAB E Pg. 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 400 °F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG 3.11.4-1 FOR DBA	122°F NORM 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 Page 9 SRS TAB E PAGE 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 20 YEARS
MANUFACTURER: RdF									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 Page 12 & 13 SRS TAB E Pg 6C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21205 217	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 Page 12 & 13 SRS TAB E Pg 7C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. DES & SERVICE: REACTOR COOLANT LOOP 3 COLD LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E PAGE 9C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	24. E7 GAMMA 91.3 E7 BETA 100% BETA 24.7 E7	FSAR APP 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 7 & 10 SRS TAB E Pg 2B THRU 5B	COMB. TYPE TEST. & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: WE SPEC. 953337, DWG. 43258, R6									
P.O #: 265762 CHD #: SK-184	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E Pg 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
PLANT LOC.: C.B. 21									
COORDINATES X= 1513.0 Y= 1724.0 Z= 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: H.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
UALIF EXEMPTN: N/A

QUALIF: STATUS QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-5
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
DSBB CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR-2165 G 800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0430

A/A: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] 18 NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] [illegible]NA POWER & LIGHT | COMPONENT EVALUAT[illegible] [illegible]T | CAPACITY: 900 MW(E) | CES#-

EQU. DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: TE-IRC 0431B	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS
MANUFACTURER: TRDF									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 228	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT, DIFF. TEMP.-TEMP. AVG. CONTROL HOT LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1 EG 1.1 E7 100% BETA 1.15 EG	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E.SPEC. 953337 REV. 0 Dwg. 43257, R7									
P.O #1265762 CHD # 1187	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 21									
COORDINATES X= 1515.0 Y= 1716.0 Z= 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0431B

A/E: E' CO SERVICES INC. | FACILITY: SHEARON | 1^ NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT: 'AR' NA POWER & LIGHT | COMPONENT EVALUATI(| 1 | CAPACITY: 900 MW(E) | CES#-

EQUIP. DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
TAG NO: TE-IRC 0431C	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT: SENSOR TYPE									ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS
MANUFACTURER: RdF									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 229	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT DIFF. TEMP. - TEMP. AVG. CONTROL	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	RADIATION GAMMA BETA SHIELD T.I.D.	1.1 E6 1.7 E7 100% BETA E6	24.7 E7 GAMMA 91.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C1	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 DWG. 43257.R7									
P.O #265762 CWO # 1187	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 21									
COORDINATES X- 1513.0 Y- 1724.0 Z- 236.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

*QUALIF: QUALIFIED
*STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSSS CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0431C

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | CES#-

EQUIP. DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: TE-IRC 0432A EQUIPMENT TYPE: SENSOR COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F REPLACEMENT: 23 YEARS MAINTAIN.:
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: 21204 230 FUNCT. USE & SERVICE: REACTOR COOLANT, LOOP C PROTECTION DIFF. TEMP.-TEMP. AVG.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 P.O #1265762 Dwg. 43257,27 CND # 1192 PLANT LOC.: CB. 31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X- 1516.0 Y- 1718.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: QUALIFIED
STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10 CFR 50 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0432A

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] 19 110.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT: [illegible] PENNSYLVANIA POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: TE-IRC 0432B EQUIPMENT: SENSOR TYPE COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR. POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F REPLACEMENT: 23 YEARS MAINTAIN.:
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 231	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT LOOP. C DIFF. TEMP. - TEMP. AVG. PROTECTION	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 91.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. DEM.: N/A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 DWG. 43257, R7 P.O #265762 CND # 1192 PLANT LOC.: CB. 31 COORDINATES X- 1517.0 Y- 1719.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

*QUALIF: QUALIFIED
*STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW. DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0432B

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | IR NO.: [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] [illegible]A POWER & LIGHT | COMPONENT EVALUATI[illegible] | CAPACITY: 900 MW(E) | CESO-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		4	5	6	7
TAG NO: TE-IRC 0432C EQUIPMENT: SENSOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: TRDF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 232 FUNCT. USE & SERVICE: REACTOR COOLANT LOOP C DIFF. TEMP. TEMP. AVG. PROTECTION	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	--
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 EG 3.4 E7 100% BETA 4.7 EG	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1E THRU 4E	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W E. SPEC. 953337 REV. 0 DWG. 43257-R7 P.O #: 265762 CND #: 192 PLANT LOC.: CB. 31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
COORDINATES X- 1513.0 Y- 1726.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	A
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0432C

QUALIF: QUALIFIED
STATUS: WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DUC. LOC: W P.O. 265762

UTILIT ROLINA POWER & LIGHT | FACILITY: SHEARON | IS NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
COMPONENT EVALUATIO | T | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		5	6	7	
TAG NO: TE-IRC 0432D EQUIPMENT: SENSOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	23 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT MANUFACTURER: RdF	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM. 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 10 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 23 YEARS MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 F	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 21204 233 FUNCT. USE & SERVICE: REACTOR COOLANT DIFF. TEMP.-TEMP. AVG. PROTECTION	RELATIVE HUMIDITY	40% NORM. 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.7 PAGE 14 SRS TAB E Pg 7G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT 5.7 PAGE 14 SRS TAB E Pg 8G OF 9G	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 14.7 E6	24.7 E7 GAMMA 41.7 E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E Pg 1F THRU 4F	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: W.E. SPEC. 953397 REV. 0 DWG. 43257, R7 P.O #265762 CHD # 1192	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	23 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 17 SRS TAB E Pg 1E THRU 6E	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-6
PLANT LOC.: CB. 31 COORDINATES X- 1513.0 Y- 1726.0 Z- 257.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-6
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
DSSS CATEG.:	A
APPENDIX E	

*QUALIF: QUALIFIED
*STATUS WITHOUT EXCEPTION

PHYS DWG REF: CAR 2165 G163
PHYS DWG LOC: TOTAL EQPT. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G802

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-6

REVISION #: 0
DATE: 6-18-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0432D

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 1 | NSSS: WESTINGHOUSE - PWR | TYPE: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: TE-IRC 0433	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	20 YEARS NORMAL 6.52 MO. POST DBA	OPERABILITY REVIEW	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E PAGE 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 264 HOURS
EQUIPMENT TYPE: SENSOR									ACCEL TEMP: 400°F
COMPONENT: TEMP. ELEMENT	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	122°F NORM 420°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	TEST REPORT SECT. 5.1 PAGE 4 SRS TAB E PAGE 1B & 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 20 YEARS
MANUFACTURER: P&F									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 81 PSIA DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E P. 6C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: 2/205 218	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E P. 7C of 11C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
FUNCT. USE & SERVICE: REACTOR COOLANT LOOP 3 HOT LEG	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	2750 PPM BORON PH 10.7 @ 25°C	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 5.6 PAGE 12 & 13 SRS TAB E PAGE 7C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	24.E7 GAMMA 91.3E7 BETA 100% BETA 24.7 E7	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C5	TEST REPORT SECT. 5.3 PAGE 9 & 10 SRS TAB E P. 2B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
SPECIFICATIONS: WE. SPEC. 953337 RO. DWG. #325826									
P.O #: 265762 CWO #: SN. 183	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	20 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 7.0 PAGE 16 SRS TAB E P. 1B THRU 7B	COMB. TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF ESE-5
PLANT LOC.: C.B. 31									
COORDINATES X- 1517.0 Y- 1719.0 Z- 255.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	COMB. TYPE TEST & SUPP. REVIEW		NONE	AUTH. REFERENCE: M. J. H.
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-5
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G 800

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-5

QUALIF: STATUS QUALIFIED WITHOUT EXCEPTION

PHYS DWG REF: CAR-2165 G163
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 265762

SAR ENV CAT: 0588 CATEG.: A
APPENDIX E

REVISION #: 0
DATE: 16-1[illegible]-84

SYSTEM: REACTOR COOLANT
TAG: TE-IRC 0433

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] TS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : TE-IRC 1313 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TEMP. ELEMENT TYPE									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND: SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCTIONS & SERVICE: REACTOR HEAD CAPILLARY INBOARD TEMP.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A	H GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6		FSAR FIG. 3.11B-21 CONT. RAD. ZONE C5			H		
ACCUM. DEM.: N/A									
SPECIFICATIONS:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB "B"
P.O #: 435917 CHO # : SH.#341									
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 278'-9	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N): INSTAL. REF: BY FIELD									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10588 CATEG.:	
APPENDIX E	

QUALIF. EXEMPTN: N/A

QUALIF: STATUS

PHYS DWG REF: CAR-2166 G453
PHYS DWG LOC: F-6
MOUNTING :
EQ.DOC.LOC: W RO.435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1313 SA

A/E: E[illegible] CO. SERVICES INC. | FACILITY: SHEARON [illegible] S NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE-IRC 1314-5A	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: RVLIS REACTOR HEAD CAPILLARY OUTBOARD TEMP.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	H GAMMA A BETA D SHIELD T.I.D.	1.1 E6 3.1 E7 100% BETA 1.15 E6		FSAR FIG. 3.11B 21 CONT. RAD. ZONE C4			H		
SPECIFICATIONS:									
P.O #: W/435917 CND # : SH.# 341	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB "B"
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 266-1	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF: CAR-2166 G452
PHYS DWG LOC: B-10
MOUNTING :
EQ.DOC.LOC: W P.O. 435917

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1314-5A

UTILIT [illegible] CAROLINA POWER & LIGHT | FACILITY: SHEARON [illegible] | CUMPONENT EVALUATI[illegible] SET | NSSS: WESTINGHOUSE [illegible] PWR CAPACITY: 900 MW(E) | REV#- 0 CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	UNITS ITEMS 7	
TAG NU : TE-IRC 1315 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: REACTOR HOT LEG CAPILLARY INBOARD TEMP	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 1.7E7 100% BETA 1.15E6		FSAR FIG. 3.11B-20 CONT. RAD. ZONE C1			H		
SPECIFICATIONS:									
P.O #: W435917 CND # : SH.# 341	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 249-3	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR 2166 G451
PHYS DWG LOC: H-15
MOUNTING
EQ.DUC.LOC: W P.O. 435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #
DATE

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1315 SA

APPL: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | CES NO.: [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: TE-IRC 1316 SA (SPARE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM 1.FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: RVLIS REACTOR HOT LEG CAPILLARY OUTBOARD TEMP.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B CONT. RAD. ZONE			H		
SPECIFICATIONS:									
P.O #: W435917 CHD # : SH.#341	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W.P.O. 435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1316SA

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] [illegible]INA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	DUTS ITEMS 7	
TAG NO: TE-IRC 1317SA BOTTOM OF REACTOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCTIONS & SERVICE: CAPILLARY TO SEAL TABLE INBOARD TEMP.									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-20 CONT. RAD. ZONE C1			H		
SPECIFICATIONS:									
P.O #: W435917 CND # : SH.# 341	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB "B"
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 225-9	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
10588 CATEG.:	
APPENDIX E	

QUALIF:
STATUS

PHYS DWG REF: CAR 2166 G452
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W P.O. 435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW. DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1317SA

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] [illegible]LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION	ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3		4	5	6	7	
TAG NO: TE-IRC 1318 SA BOTTOM OF REACTOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW						ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT										ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1				H		REPLACEMENT:
MANUFACTURER: MINCO										MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)				H		SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)				H		
FUNCTIONS & SERVICE: CAPILLARY TO SEAL TABLE INBOARD TEMP.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1				H		
ACCUM. SPECI. N/A										
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-20 CONT. RAD. ZONE C1				H		
SPECIFICATIONS:										
P.O #: W/435917 CHD # : SH.# 341	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51						SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.										
COORDINATES X- Y- Z- 235-7	SUBMERGED	228.3		FSAR SECTION 3.6						AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O ESE-42
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2166 G452
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W P.O. 435917

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW. DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1318 SA

A/E: [illegible] SERVICES INC.
UTILIT[illegible] [illegible]LINA POWER & LIGHT

FACILITY: SHEARON [illegible] IS NO.1
COMPONENT EVALUATI[illegible] [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 3	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE-IRC 1319 SA (SPARE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TEMP. ELEMENT TYPE									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: RVLIS CAPILLARY FROM SEAL TABLE TEMP.									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B CONT. RAD. ZONE			H		
SPECIFICATIONS: P.O #: W435917 CND # : SH.#341 PLANT LOC.: C.B.	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB D
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DUC.LOC: W PO.435917

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1319 SA

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE-IRC 1323 5B	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM 1.FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: REACTOR HEAD CAPILLARY INBOARD TEMP.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6		FSAR FIG. 3.11B-21 CONT. RAD. ZONE C5			H		
SPECIFICATIONS:									
P.O #: W/435917 CWO #: SH.# 342	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 278-9	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR-2166 G453
PHYS DWG LOC: F-6
MOUNTING:
EQ.DOC.LOC: W P.O. 435917

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW. DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1323 5B

AZLE E SH SERVICES INC. | FACILITY: SHEARON - TS. NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: VIRGINIA POWER & LIGHT | COMPONENT EVALUATI ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 3	QUALIF. METHOD 4	H/M 5	OUTS ITEMS 7	
TAG NO: TE-IRC 13245B	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #: RVLIS REACTOR HEAD CAPILLARY OUTBOARD TEMP.	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 3.1E7 100% BETA 1.15 E6		FSAR FIG. 3.11B-21 CONT. RAD. ZONE C4			H		
SPECIFICATIONS:									
P.O #: W435917 CND # SH.# 342	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 268-7	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR 2166 G452
PHYS DWG LOC: H-14
MOUNTING:
EQ. DOC. LOC: W P.O. 435917

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 13245B

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]LINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : TE-IRC 1325 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TEMP. ELEMENT TYPE									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)			H		MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND: SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT.UES: REACTOR HOT LEG & SERVICE CAPILLARY INBOARD TEMP.									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 1.7E7 100% BETA 1.15 E6		FSAR FIG. 3.11B-20 CONT. RAD. ZONE C-1			H		
SPECIFICATIONS:									
P.O #: W435917 CHD # : SH.#34-2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 249-3	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR-2166G450
PHYS DWG LOC: C-5
MOUNTING :
EQ.DOC.LOC: W P.O. 435917

ISAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1325 SB

A/E : SUL.SERVICES INC. | FACILITY: SHEARON | TS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: [illegible] .INA POWER & LIGHT | COMPONENT EVALUATI[illegible] | [illegible]ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
			2	3	4	5	6	7	
TAG NO : TE-IRC 1326 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TEMP. ELEMENT TYPE									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. DES & SERVICE: RVLIS REACTOR HOT LEG CAPILLARY OUTBOARD TEMP.									
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	H GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7 100% BETA 1.25 E6		FSAR FIG. 3.11B-20 CONT. RAD. ZONE C3			H		
SPECIFICATIONS:									
P.O #: W435917 CHD # : SH.# 342	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 248-6	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

QUALIF:
STATUS

PHYS DWG REF: CAR 2166 G450
PHYS DWG LOC: C-16
MOUNTING :
EQ.DOC.LOC: W P.O. 435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1326SB

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON [illegible] | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
1			2	3	4	5	6	7	
TAG NO: TE-IRC 1327 SB BOTTOM OF REACTOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE: CAPILLARY TO SEAL & SERVICE TABLE INBOARD TEMP.									
ACCUM. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-20 CONT. RAD. ZONE C1			H		
SPECIFICATIONS: P.O #: W435917 CND # : SH.# 342	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 225.9	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A
QUALIF: CAR2166G452
STATUS
PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W P.O. 435917

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW. DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION # :
DATE :

SYSTEM : (RVLIS) REACTOR COOLANT
TAG : TE-IRC 1327 SB

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] SET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE-IRC 1328 SB BOTTOM OF REACTOR	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCTIONS & SERVICE: RVLIS CAPILLARY TO SEAL TABLE OUTBOARD TEMP.									
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-20 CONT. RAD. ZONE C1			H		
SPECIFICATIONS:									
P.O #: 435917 CHD #: SH.# 342	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 235-7	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
*TEMPERATURE	T
*PRESSURE	P
*REL. HUMDTY	H
*CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF STATUS

PHYS DWG REF: CAR 2166 G452
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W P.O. 435917

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1328 SB

A/E: [illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] | IS.110.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: [illegible] INA POWER & LIGHT | COMPONENT EVALUATI[illegible] | ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: TE-IRC 1329 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: TEMP. ELEMENT									ACCEL TEMP:
COMPONENT:	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			H		REPLACEMENT:
MANUFACTURER: MINCO	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			H		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			H		
FUNCT. USE & SERVICE: RVLIS CAPILLARY FROM SEAL TABLE TEMP.									
	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			H		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.25 E6		FSAR FIG. 3.11B 20 CONT. RAD. ZONE C3			H		
SPECIFICATIONS:									
P.O #: W/435917 CND # SH.# 342	ACC. INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: SEE ESE-42 TAB B
PLANT LOC.: C.B.									
COORDINATES X- Y- Z- 248-6	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O ESE-42
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

QUALIF:
STATUS

PHYS DWG REF: CAR 2166 G451
PHYS DWG LOC: H-15
MOUNTING:
EQ.DOC.LOC: W P.O. 435917

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G844

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: ESE-42

REVISION #:
DATE:

SYSTEM: (RVLIS) REACTOR COOLANT
TAG: TE-IRC 1329 SB

A/E: E[illegible] CO SERVICES INC. | FACILITY: SHEARON [illegible] IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible] [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] [illegible]EET | CAPACITY: 900 MW(E) | CES#-

EQ[illegible]NT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: ES IRC R 528	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: RELEIF VALVE TYPE									ACCEL TEMP:
COMPONENT: POSITION SW.	TEMPERATURE	120°F NORM 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: CROSBY									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT.DES: PRESSURIZER SAFETY & SERVICE RELIEF VALVE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8 100% BETA 1.3E7		FSAR APP. 3.11B-21 CONT. RAD. ZONE C6					
SPECIFICATIONS:									
P.O #: CMD #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: CB 41									
COORDINATES X- Y- Z- 308.0	SUBMERGED	228.3 YES		FSAR SECTION 3.6					AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G148
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR COOLANT
TAG: ES IRCR 528

A/E: E[illegible] CO SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] IS NO.1
COMPONENT EVALUATI[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : ZS IRCR 529	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: RELIEF VALVE TYPE									ACCEL TEMP:
COMPONENT: POSITION SW.	TEMPERATURE	120°F NORM. 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: CROSBY	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND: SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT.UES: PRESSURIZER & SERVICE SAFETY RELIEF VALVE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3 E7 3.7 E8 100% BETA 1.3 E7		FSAR APP. 3.11B-21 CONT. RAD. ZONE C6					
SPECIFICATIONS:									
P.O #: CHD # :	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: CB 41									
COORDINATES X- Y- Z- 308.0	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G801

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G148
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

REVISION # :
DATE :

SYSTEM : REACTOR COOLANT

TAG : ZS IRCR 529

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON [illegible]'S NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] DLINA POWER & LIGHT | COMPONENT EVALUATI[illegible]EET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		2		3	4	5	6	7	
TAG NO : ZS IRC R530	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: RELIEF VALVE									ACCEL TEMP:
COMPONENT: POSITION SW.	TEMPERATURE	120°F NORM 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: CROSBY									MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1(DBA)					SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)					
FUNCT.DES & SERVICE: PRESSURIZER SAFETY RELIEF VALVE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8 100% BETA 1.3E7		FSAR APP. 3.11B-21 CONT. RAD. ZONE C6					
ACCUR. DEM.: N/A									
SPECIFICATIONS:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: CHD # :									
PLANT LOC.: CB41									
COORDINATES X- Y- Z- 308.0	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G148
PHYS DWG LOC:
MOUNTING :
EQ.DUC.LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : REACTOR COOLANT
TAG : ZS IRC R 530

A/E: E SERVICES INC. | FACILITY: SHEARON | S NO.: | NSSS: WESTINGHOUSE - PWR | REVB-
UTILIT JLINA POWER & LIGHT | COMPONENT EVALUATIO | ZET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : NE-41 (POWER RANGE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: EXCORE NUCLEAR INSTRUMENTATION									ACCEL TEMP:
COMPONENT: NEUTRON DETECTOR	TEMPERATURE	120°F NORM. 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT.DES & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8		FSAR APP. 3.11B-18 CONT. RAD. ZONE CO					
SPECIFICATIONS:									
P.O #: N/177181 CHD # : SH.#63	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: C.B.									
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC:

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : REACTOR PROTECTION SYS.
TAG : NE-41

A/E: E SERVICES INC. FACILITY: SHEARON H S NO.: NSSS: WESTINGHOUSE & PWR REV:
UTILIT DUKE POWER & LIGHT COMPONENT EVALUATIO SEET CAPACITY: 900 MW(E) CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	DOCS ITEMS 7	
TAG NO: NE-42 (POWER RANGE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: EXCORE NUCLEAR INSTRUMENTATION									ACCEL TEMP:
COMPONENT: NEUTRON DETECTOR	TEMPERATURE	120°F NORM. 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE:	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8		FSAR APP. 3.11B-18 CONT. RAD. ZONE CO					
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: W177181 CHD #: SH.# 66	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.:									
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC:

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR PROTECTION SYS.
TAG: NE-42

A/E: E SERVICES INC. | FACILITY: SHEARON | NO.: | NSSS: WESTINGHOUSE - PWR | REV#-
UTILI: ULINA POWER & LIGHT | COMPONENT EVALUATI | ET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: NE-43 (POWER RANGE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: EXCORE NUCLEAR INSTRUMENTATION									ACCEL TEMP:
COMPONENT: NEUTRON DETECTOR	TEMPERATURE	120°F NORM 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE:	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8		FSAR APP. 3.11B-18 CONT. RAD. ZONE 20					
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: W/177181 CHD #: SH#67	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.:									
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC:

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: REACTOR PROTECTION SYS.
TAG: NE-43

UTILI: DLINA PUWER & LIGHT · COMPONENT EVALUATI' :ET CAPACITY: 900 MW(E) CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS	
	1		2	3	4	5	6	7	8
TAG NO : NE-44 (POWER RANGE)	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: EXCORE NUCLEAR INSTRUMENTATION									ACCEL TEMP:
COMPONENT: NEUTRON DETECTOR	TEMPERATURE	120°F NORM 380°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	40% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCT. DES & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.3E7 3.7E8		FSAR APP. 3.11B-18 CONT. RAD. ZONE 2					
SPECIFICATIONS:									
P.O #: W/177181 CHD # : SH.#69	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.:									
COORDINATES X- Y- Z-	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:	PARAMETER	SUPPL. REVIEW	OTHER EQUIPMENT THIS CES APPLIES TO:	QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:
QUALIF EXEMPTN:	OPERABILITY	O		
QUALIF:	TEMPERATURE	T		
STATUS	PRESSURE	P		
	REL. HUMDTY	H		
	CHEM. SPRAY	C	REFERENCES:	
	RADIATION	R		
PHYS DWG REF:	AGING	A		REVISION # :
PHYS DWG LOC:	SUBMERGENCE	S		DATE :
MOUNTING :				
EQ. DOC. LOC:	SAR ENV CAT:			SYSTEM : REACTOR PROTECTION SYS.
	0588 CATEG.:			
	APPENDIX E			TAG : NE-44

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 0.1 | NSSS: WESTINGHOUSE - PWR | VR- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION S | CAPACITY: 900 MW(E) | SR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	DUTS ITEMS (7)	
TAG NO: 1RH-V5005B-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SMB-1	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 9.7 E6	130 E6 74 E6 100% BETA 204 E6	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C5	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
FUNCT. DES & SERVICE: RESIDUAL HEAT REMOVAL - SERVING VALVE 1RH-V5005B-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
ACCUM. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
ACCUM. DEM.: N/A									
SPECIFICATIONS: W.P. PROJ. SPEC. 952065 05 W.E. SPEC. 678852 02									
P.O #: 173662 CHD #: SH.#0330									
PLANT LOC.: C.B. 21									
COORDINATES X- 1520.0 Y- 1702.0 Z- 251.0									

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165G-155
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W/ P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10 CFR 50 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-824
RHR & SAFETY INJ. PIPING CAR-2165 G-155
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: 1RH-V5005B-1

A/E: EBAS SERVICES INC. | FACILITY: SHEARON HAR 10.1 | NSSS: WESTINGHOUSE - PWR | VR- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E) | SR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 1	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	DUTS ITEMS 7	
TAG NO: IRH-V501SA-1 EQUIPMENT: VALVE TYPE: GATE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS ACCEL TEMP: 180°C
COMPONENT: MOTOR	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE MAJOR SUPPLIER: WESTHS.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MODEL AND SERIAL #: SMB-1	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	SUBCOMPONENTS: TORQUE & LIMIT SW.
FUNCT. & SERVICE: RESIDUAL HEAT REMOVAL - SERVING VALVE IRH-V501SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUR. SPEC: N/A ACCUR. DEM.: N/A	H GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	130 E6 74 E6 100% BETA 204 E6	FSAR APP. 3.11.B-21 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
SPECIFICATIONS: W. PROJ. SPEC. 952065 05 W.E. SPEC. 678852 02 P.O #: 173662 CHD #: SN.#0330	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B.11 COORDINATES X-1548.0 Y-1682.0 Z-230.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-155
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-824
RHR & SAFETY INJECTION SYS. CAR-2165 G-155
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: RESIDUAL HEAT REMOVEAL
TAG: IRH-V501SA-1

A/E: EBA [illegible]VICES INC. | FACILITY: SHEARON HA[illegible] 10.1 | NSSS: WESTINGHOUSE - PWR | V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]T | CAPACITY: 900 MW(E) | S#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 H/M	7 OUTS ITEMS	
TAG NO: IRH-V502SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT: VALVE TYPE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.H FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1E	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SMB-1	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.4 E7 100% BETA 4.7 E6	130 E6 74 E6 100% BETA 204 E6	FSAR APP. 3.11.B-2/ CONT. RAD. ZONE C5	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
FUNCT. DES & SERVICE: RESIDUAL HEAT REMOVAL - SERVING VALVE IRH-V502SB-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3E	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF NE-1
ACCUM. SPEC: N/A	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

ACCUM. DEM.: N/A

SPECIFICATIONS: W. PROJ. SPEC. 952065 02, W.E. SPEC. 678852 02

P.O #: 173662 CWO #: SN#0329

PLANT LOC.: C.B. 21

COORDINATES X- 1480.0 Y- 1702.0 Z- 251.0

INSTALLED (Y/N):

INSTAL. REF: BY FLD.

QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-155

PHYS DWG LOC: TOTAL EQUIP. LIST

MOUNTING:

EQ. DOC. LOC: W/ P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-824
RHR & SAFETY INJ. SYS. CAR-2165 G-155
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: IRH-V502SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 0.1 | NSSS: WESTINGHOUSE - PWR | VE- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | SE-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 1RH-V503SA-1 EQUIPMENT TYPE: VALVE GATE COMPONENT: MOTOR MANUFACTURER: LIMITORQUE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS ACCEL TEMP: 180°C REPLACEMENT: 40 YEARS MAINTAIN.:
	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
MAJOR SUPPLIER: WESTHS.	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SMB-1	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCT. DES & SERVICE: RESIDUAL HEAT REMOVAL-SERVING VALVE 1RH-V503SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2E6 3.3E7 100% BETA 1.2E6	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
ACCUM. DEM.: N/A SPECIFICATIONS: W. PROJ. SPEC. 952065.05 W.E. SPEC. 678852.02 P.O. #173662 CHD #: SH.#0329 PLANT LOC.: C.B.-11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
COORDINATES X-1457.0 Y-1676.0 Z-230.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FID.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-155
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W/ P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAGRAM CAR-2165 G-82A
RHR & SAFETY INJECTION SYS. CAR-2165 G-155
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: RESIDUAL HEAT REMOVEAL
TAG: 1RH-V503SA-1

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	UNIT ITEMS 7	
TAG NO : 2RHV 506 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104° F NORM & DBA		FSAR TABLE FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. & DBA							SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)					
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.9E6 NEGLIGIBLE 100% BETA 2.0E6		FSAR FIG. 3.11B-23 CONT. RAD ZONE R4					
SPECIFICATIONS: PROJ. E. SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1567.0 Y- 1579.0 Z- 236.0	SUBMERGED	191'-0 YES							AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	OSSB CATEG.:	
	APPENDIX E	

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: K-17
MOUNTING :
EQ.DOC.LOC: w/ P.O. 173662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G824
VENDOR DWG. 1364-4528

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : RESIDUAL HEAT REMOVAL
TAG : 2RHV 506 SB

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	UNITS ITEMS (7)	
TAG NO: 2RHV507 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM & DBA		FSAR TABLE FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. & DBA							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)					
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D.SHIELD T.I.D.	1.9 E6 NEGLIGIBLE 100% BETA 2.0 E6		FSAR FIG. 3.11B-23 CONT. RAD. ZONE R4					
SPECIFICATIONS: PROJE.-SPEC. 952065, RS GEN E-SPEC. 678852, R2									
P.O #: 173662 CMD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- 1434.0 Y- 1579.0 Z- 236.0	SUBMERGED	191-0 YES							AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	10CFR CATEG.:	
	APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G 824
VENDOR DWG. 1364-4486

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: K-6
MOUNTING:
EQ.DOC.LOC: w/ P.O. 173662

REVISION #:
DATE:

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: 2RHV 507 SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS (S NO.) | NSSS: WESTINGHOUSE - PWR | REV#: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2RH-F512SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2RH-F512SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 189234 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A.B. 21									
COORDINATES X=1574.0 Y=1619.0 Z=236.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. E73-020
FLOW DIAG. CAR 2165 G824 (G-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

QUALIF:
STATUS:

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: G-4
MOUNTING:
EW.DOC.LOC: W.P.O. 189234

NSSS CATEG.: APPENDIX E

REVISION #:
DATE:

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: 2RH-F512SB-1

A/E FOR: SERVICES INC. | FACILITY: SHEARON HARRIS | UNIT NO.: 1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILI: ...LINA POWER & LIGHT | COMPONENT EVALUAT. | SHEET | CAPACITY: 900 MW(E) | CESO-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEN. QUALIF.	DOCUMENTATION ACTUAL	DEN. QUALIF.	QUALIF. METHOD	N/M	AUTO ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2RH-F513SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2RH-F513SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEN.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 1.2 E		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									
P.O #: 189234 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A,T5-21									
COORDINATES X= 1426.0 Y= 1623.0 Z= 236.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR2165 G152
PHYS DWG LOC: G-18
MOUNTING:
EQ. DOC. LOC: W.P.O. 189234

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. E73-020
" FLOW DIAG. CAR2165 G824

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: 2RH-F513SA-1

A/E: EBA SERVICES INC. | FACILITY: BRUNSWICK | UNIT NO.: 1 | ISSUE: WESTINGHOUSE | S PAR | REV:
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI | SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	UUTS ITEMS 7	
TAG NO: FIS IRH 0602 A SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: FLOW SWITCH									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 288A	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: RESID. HEAT REMOVAL PMP. 1A FLOW	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-B-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B-B-22 RAD. ZONE R3					
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: 404484 CND #: 323	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB 11									
COORDINATES X- Y- Z- 216.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR 2165 G824

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G436 S01
PHYS DWG LOC: L-1
MOUNTING:
EQ. DOC. LOC: w/P.O. 404484

REVISION #:
DATE:

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: FIS IRH 0602 A SA

A/E: EBA SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUIS ITEMS	
			2	3	4	5	6	7	
TAG NO: FIS IRH 602B SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: FLOW SW.									ACCEL TEMP:
COMPONENT:	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: BARTON	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 288A	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT.USE & SERVICE: RESID. HEAT REMOVAL PMP. IB FLOW	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3 E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B-22 RAD. ZONE R3					
SPECIFICATIONS:									
P.O #: 404484 CND # 1324	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 11									
COORDINATES X- Y- Z- 216.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G436 S01
PHYS DWG LOC: L-17
MOUNTING:
EQ.DOC.LOC: w/P.O. 404484

SAR ENV CAT:
DSBB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG CAR 2165 G 824

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: RESIDUAL HEAT REMOVAL
TAG: FIS IRH 602B SB

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUAL. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)
TAG NO: 1A SA (ITEM APCH) EQUIPMENT TYPE: PUMP	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	3.8 YEARS NORM. & DBA	OPERABILITY REVIEW	TEST REPORT SECT. 5.2 SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE
COMPONENT: MOTOR	TEMPERATURE	104°F NORM 104°F DBA	104°F FOR NORM. & DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2	TEST REPORT SECT. 5.7 SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE
MANUFACTURER: WESTINGHOUSE MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS.	FSAR SECT.	DATA PACKAGE SECT. 1.7 & 2.6 SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE
MODEL AND SERIAL #: HSDP 73F69523 15-74	RELATIVE HUMIDITY	20%-90% NORM 100% DBA	100%	FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 SRS TAB E PAGE 2D	TYPE TEST & SUPP. REVIEW	M	NONE
FUNCTIONS & SERVICE: CENTRIFUGAL CHARGING PUMP (SEE TAB B) ACCUM. SPEC: N/A	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-	DATA PACKAGE SECT. 1.7 & 2.6 SEE SRS TAB E PAGE 1C	N/A	N/A	NONE
ACCUM. DEM.: N/A SPECIFICATIONS: W. PROJ. SPEC. 952269, R1; W.E. SPEC. 677474	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5	50 E7 — 50 E7	FSAR FIG. 3.11B-23 ZONE RS	TEST REPORT SECT. 5.1 SRS TAB E PAGE 1,2 & 3E	TYPE TEST & SUPP. REVIEW	H	SEE SRS PAGE 1E
P.O #: 189501 CMD #: 221 PLANT LOC.: R. AUX. BLDG. 21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	3.8 YEARS NORM. & DBA	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 5.2 SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE
COORDINATES X- 1487 Y- 1583-8 Z- 238-11	SUBMERGED	191'-0 YES	N/A	FSAR SECT. 3.6A	N/A SRS TAB E	N/A		NONE

SAFETY FUNCTION: SEE TAB B OF AE-2

AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N): 4-11-84 100%
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: CAR 2166 SKE-133
MOUNTING: SEE PUMP DETAIL DWG.
EQ. DOC. LOC: W.P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O AE-2
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	B
DSBB CATEG.: APPENDIX E	CAT.

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G
W. TEST REPORT A02A
W. DATA PACKAGE AE-2

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: AE-2

REVISION #: 0
DATE: 5-1-84

SYSTEM: SAFETY INJECTION
TAG: 1A SA

ACCEL TIME: 168 HOURS
ACCEL TEMP: 210°C
REPLACEMENT: 3.8 YEARS
MAINTAIN.: SEE MANUAL
SUBCOMPONENTS: LUBRICANTS, BEARING:

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: 1B5B (ITEM APCH) EQUIPMENT TYPE: PUMP	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	3.8 YEARS NORM. & DBA	OPERABILITY REVIEW	TEST REPORT SECT. 5.2 SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE	ACCEL TIME: 168 HOURS ACCEL TEMP: 210°C
COMPONENT: MOTOR	TEMPERATURE	104° F NORM 104° F DBA	104°F FOR NORM. & DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2	TEST REPORT SECT. 5.7 SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE	REPLACEMENT: 3.8 YEARS
MANUFACTURER: WESTINGHOUSE MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.	ATMOS.	FSAR SEC.	DATA PACKAGE SECT. 1.7 & 2.6 SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE	MAINTAIN.: SEE INSTRUCTION MANUAL SUBCOMPONENTS: LUBRICANT, BEARINGS
MODEL AND SERIAL #: HSDP 73F6952325-74	RELATIVE HUMIDITY	20%-90% NORM. 100% DBA	100%	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6 SRS TAB E PAGE 2D	TYPE TEST & SUPP. REVIEW	M	NONE	
FUNCTIONS & SERVICE: CENTRIFUGAL CHARGING PUMP (SEE TAB B)	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11	DATA PACKAGE SECT. 1.7 & 2.6 SEE SRS TAB E PAGE 1C	N/A	N/A	NONE	
ACCUM. SPEC: N/A ACCUM. DEM.: N/A	N GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5	50 E7 — 50 E7	FSAR FIG. 3.11B-23 CONT. RAD. ZONE R5	TEST REPORT SECT. 5.1 SRS TAB E PAGE 1, 2 & 3E	TYPE TEST & SUPP. REVIEW	H	SEE SRS PAGE 1E	
SPECIFICATIONS: W. PROJECT SPEC. 952269, R1 W.E. SPEC. 677474 P.O #: 189501 CND #: 222 PLANT LOC.: R. AUX. BLDG. 21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	3.8 YEARS NORM. & DBA	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 5.2 SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE	SAFETY FUNCTION: SEE TAB B OF AE-2
COORDINATES X- 1510-3 Y- 1583-8 Z- 238-11	SUBMERGED	191'-0 YES	N/A	FSAR SECT. 3.6A	N/A SRS TAB E	N/A		NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N): 4-11-84 100%
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED

PARAMETER	SUPPL. REVIEW
OPERABILITY	O AE-2
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	B
0588 CATEG.:	
APPENDIX E	CAT.

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G
W. TEST REPORT A02A
W. DATA PACKAGE AE-2

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: AE-2

PHYS DWG REF: CAR 2165 G140
PHYS DWG LOC: CAR 2166 SKE-133
MOUNTING: SEE PUMP DETAIL DWG.
EQ. DOC. LOC: W. PO. 189501

REVISION #: 0
DATE: 5-1-84

SYSTEM: SAFETY INJECTION
TAG: 1B5B

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/M (6)	OUTS ITEMS (7)
TAG NO: 1C-SAB (ITEM APCH) EQUIPMENT TYPE: PUMP COMPONENT: MOTOR MANUFACTURER: WESTINGHOUSE MAJOR SUPPLIER: WESTINGHOUSE MODEL AND SERIAL #: HSDP 73F69523 33-74 FUNCT. USE & SERVICE: CENTRIFUGAL CHARGING PUMP ACCUM. SPEC: N/A ACCUM. DEM.: N/A SPECIFICATIONS: W. PROJ. SPEC. 952269, R1; W.E. SPEC. 677414 P.O #: 189501 CND #: 223 PLANT LOC.: R. AUX. BLDG. 21 COORDINATES X- 1533-6 Y- 1583-8 Z- 238-11 INSTALLED (Y/N): 4-11-84 100% INSTAL. REF: BY FIELD QUALIF EXEMPTN: N/A QUALIF: QUALIFIED STATUS PHYS DWG REF: CAR2165 G140 PHYS DWG LOC: CAR-2166SKE-133 MOUNTING: SEE PUMP DETAIL DWG. EQ. DOC. LOC: W. PO 189501	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	3.8 YEARS NORM. & DBA	OPERABILITY REVIEW	TEST REPORT SECT. 5.2; SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE
	TEMPERATURE	104° F NORM 104° F DBA	104° F NORM. & DBA	FSAR TABLE 9.4.0-1; FSAR FIG. 3.11B-2	TEST REPORT SECT. 5.7; SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE
	PRESSURE	ATMOS. NORM DBA NORM.	ATMOS.	FSAR SECT.	DATA PACKAGE SECT. 1.7 & 2.6; SRS TAB E PAGE 1C	TYPE TEST & SUPP. REVIEW	M	NONE
	RELATIVE HUMIDITY	20%-90% NORM. 100% DBA	100%	FSAR TABLE 9.4.0-1 NORM; FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 5.6; SRS TAB E PAGE 2D	TYPE TEST & SUPP. REVIEW	M	NONE
	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11	DATA PACKAGE SECT. 1.7 & 2.6; SRS TAB E PAGE 1C	N/A	N/A	NONE
	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5	50 E7 ~ 50 E7	FSAR FIG 3.11B-23 ZONE R5	TEST REPORT SECT. 5.1; SRS TAB E PAGE 1, 2 & 3E	TYPE TEST & SUPP. REVIEW	H	SEE SRS PAGE 1E
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	3.8 YEARS NORM. & DBA	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 5.2; SRS TAB E PAGE 1 THRU 3B	TYPE TEST & SUPP. REVIEW		NONE
	SUBMERGED	191'0 YES	N/A	FSAR SECT. 3.6A	N/A; SRS TAB E	N/A		NONE

ACCEL TIME: 168 HOURS
ACCEL TEMP: 210°C
REPLACEMENT: 3.8 YEARS
MAINTAIN.: SEE INSTRUCTION MANUAL
SUBCOMPONENTS: LUBRICANT, BEARINGS
SAFETY FUNCTION: SEE TAB B OF AE-2
AUTH. REFERENCE: M.J.H.

PARAMETER	SUPPL. REVIEW
OPERABILITY	O AE-2
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	B
0588 CATEG.:	
APPENDIX E	CAT.

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G; W. TEST REPORT A02A; W. DATA PACKAGE AE-2

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: AE-2

REVISION #: 0
DATE: 5-1-84
SYSTEM: SAFETY INJECTION
TAG: 1C-SAB

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	UNITS ITEMS (7)	
TAG NO: TE ISI 0910 A1 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ M		
FUNCTIONS & SERVICE:	CHEMICAL SPRAY	N/A					/		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS:									
P.O #: 189501 CND.# : SH. # 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1485.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W/P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE ISI 0910 A1 SA

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL. (2)	DOCUMENTATION ACTUAL	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: TE ISI 0910A2 SW-	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERATURE	104° F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCT. DES. & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS:									
P.O. #: W/189501 CND #: SH. 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1485.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EW.DOC.LOC: W/P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE ISI 0910A2 SW

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: TE ISI 0910 A3 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCT. DES & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS:									
P.O #: W/189501 CND #: SH.# 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1485.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
*	TEMPERATURE	T
*	PRESSURE	P
*	REL. HUMDTY	H
*	CHEM. SPRAY	C
*	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ. DOC. LOC: W/ P.O. 189501

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TEISI 0910A3 SA

UTILIT: CAROLINA POWER & LIGHT · COMPONENT EVALUATI EET · CAPACITY: 900 MW(E) · CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: TE ISI 0910B1 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP.)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM DBA NORM					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE:	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE RS			/ H		
SPECIFICATIONS: P.O #: W/189501 CMD # : SH. # 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X= 1532.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE ISI 0910B1 SB

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: TE ISI 0910 A4 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD • T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS:									
P.O. # W/189501 CMD # SH# 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1532.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/P.O. 189501

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE ISI 0910A4SA

UTILIT[illegible] [illegible]INA POWER & LIGHT · COMPONENT EVALUATI[illegible] SET CAPACITY: 900 MW(E) CESP-

EQUIPMENT DES[illegible]TION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUA[illegible] 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UUTS ITEMS 7	[illegible]
TAG NO : TE 1SW 0910 A5 SA	OPERABIL-ITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERAT-URE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS: P.O # 189501 CND # SH# 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X= 1485.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/P.O. 189501

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION

TAG : TE 1SW 0910 A5SA

COMPONENT EVALUATI[illegible] CAPACITY: 900 MW(E) CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: TE 1SW0910 A6 SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR C. CHARGING PMP.)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS:									
P.O # 189501 CND # SH# 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X 1485.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
*	TEMPERATURE	T
*	PRESSURE	P
*	REL. HUMDTY	H
*	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE 1SW0910A6SA

UTILITY: CAROLINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF. (2)	DOCUMENTATION (3)	ACTUAL DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	UNITS ITEMS (7)	
TAG NO: TE ISI 0910 B2 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			/ H		
SPECIFICATIONS:									
P.O #: 189501 CND #: SH.220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1532.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:
QUALIF STATUS:
PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: TE ISI 0910B2 SB

UTILIT ROLINA POWER & LIGHT · COMPONENT EVALUAT. HEET CAPACITY: 900 MW(E) CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO : TE ISI 0910B3 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL · 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP.) MTR.	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCT.UES & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE RS			/ H		
SPECIFICATIONS:									
P.O #: 189501 CHD # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X-1532.0 Y-1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:
QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION

TAG : TE ISI 0910B3 SB

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QU	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO : TE ISI 0910B4-SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR.)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:									MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE RS			/ H		
SPECIFICATIONS:									
P.O #: 189501 CMD # : SH. 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1532.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W/ P.O. 189501

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE ISI 0910B4-SB

OWNER: CAROLINA POWER & LIGHT · COMPONENT EVALUAT! HEET · CAPACITY: 900 MW(E) · CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. NU. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO : TE ISI 0910 B5 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR.	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCT. DES & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE RS			/ H		
SPECIFICATIONS:									
P.O #: W/189501 CND # : SH.#220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X= 1532.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION

TAG : TE ISI 0910B5 SB

UTILIT: ...LINA POWER & LIGHT · COMPONENT EVALUATI...EET CAPACITY: 900 MW(E) CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE ISI 0910B6 SB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP MTR.)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89 ES		FSAR FIG.3.11B-20 ZONE RS			/ H		
SPECIFICATIONS:									
P.O #: N/189501 CMD #: SH #220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X= 1532.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: N/P.O.189501

SAR ENV CAT:
9588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION

TAG: TE ISI 0910B. SB

UTIL: ROLINA POWER & LIGHT · COMPONENT EVALUAT SHEET · CAPACITY: 900 MW(E) · CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: TE ISI 0911A SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR.)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			/ M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE 5			/ H		
SPECIFICATIONS: P.O #: W/189501 CND #: SH.# 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X= 1485.0 Y= 1593.0 Z= 276.0	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: W/P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY FUNCTION
TAG: TE ISI 0911A SA

UTILI: HOLINA POWER & LIGHT · COMPONENT EVALUAT. HEET CAPACITY: 900 MW(E) CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QU. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : TE 1SI 0911B SA	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL · 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT: MOTOR TYPE									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR.)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			/ M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					/ M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ M		
FUNCT. USE & SERVICE	CHEMICAL SPRAY	N/A					/		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD · T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			/ H		
SPECIFICATIONS:									
P.O #: W/189501 CND # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1532.0 Y- 1593.0 Z- 236.0	SUBMERGED	191'-0 YES		FSAR SECT. 3.6			/		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W/P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE 1SI 0911B SA

UTILIT: MULINA POWER & LIGHT · COMPONENT EVALUATI EET CAPACITY: 900 MW(E) CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO : TE ISI 0912 A SA EQUIPMENT: MOTOR TYPE	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME: ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					M		MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O #: W/ 189501 CMD # : 220 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
COORDINATES X- 1485.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE ISI 0912ASA

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO: TE ISI 0912B SB-	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL · 1 YEAR · POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD · T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O #: w/ 189501 CMD #: 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- 1532.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS:

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION

TAG: TE ISI 0912B SB

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO : TE ISI 0914-1 S -	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O #: w/ 189501 CMD # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X= 1508.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE ISI 0914-1S

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. 0	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UUTS ITEMS	
			2	3	4	5	6	7	
TAG NO : TE 1SI 0914-2S	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O # w/ 189501 CND # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE 1SI 0914-2S

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO : TE 1SI 0914-3S	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TYPE MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O # w/ 189501 CMD # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- 1508.0 Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
9588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE 1SI 0914-3S

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : TE ISI 0914-4S	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O # by 189501 CND # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X= 1508.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: by P.O. 189501

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE ISI 0914-4S

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
TAG NO: TE ISI 0914-5 S-	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: w/ 189501 CND #: 220									
PLANT LOC.: AB21									
COORDINATES X- Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION

TAG: TE ISI 0914-5S

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNITS ITEMS	
				3	4	5	6	7	
TAG NO : TE ISI 0914-6 S	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									
P.O #: w/ 189501 CND # : 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X= 1508.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DUC.LOC: w/ P.O. 189501

SAR ENV CAT:
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM.: SAFETY INJECTION
TAG : TE ISI 0914-6S

UTILIT: CAROLINA POWER & LIGHT · COMPONENT EVALUAT SHEET CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. (2)	DOCUMENTATION ACTUAL (3)	DEM. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO: TE ISI 0915 SAB-	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104°F NORM 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.					M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCT.UES & SERVICE:	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E5		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS:									SAFETY FUNCTION:
P.O #: w/ 189501 CND #: 220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB21									
COORDINATES X= 1508.0 Y= 1593.0 Z= 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF:									
QUALIF EXEMPTN:									
QUALIF: STATUS									
PHYS DWG REF:									
PHYS DWG LOC:									
MOUNTING:									
EQ.DOC.LOC: w/ P.O. 189501									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTIO

TAG: TE ISI 0915 SAB

UTILI: ROLINA POWER & LIGHT · COMPONENT EVALUAT SHEET · CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/M 6	OUTS ITEMS 7	
TAG NO : TE ISI 0916 SAB	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: TYPE MOTOR									ACCEL TEMP:
COMPONENT: TEMP. ELEMENT (FOR CHARGING PMP. MTR)	TEMPERATURE	104° F NORM 104° F DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11B-2			M		REPLACEMENT:
MANUFACTURER:	PRESSURE	ATMOS. NORM. DBA NORM.							MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE							M		SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)			M		
FUNCTIONS & SERVICE	CHEMICAL SPRAY	N/A							
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 100% BETA 1.89 E4		FSAR FIG. 3.11B-20 ZONE R5			H		
SPECIFICATIONS: P.O # w/ 189501 CND # : 220 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
COORDINATES X- Y- 1593.0 Z- 236.0	SUBMERGED	191.0 YES		FSAR SECT. 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 189501

SAR ENV CAT:
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : TE ISI 0916 SAB

UTILIT SERVICES INC. FACILITY: BREAKIN
CAROLINA POWER & LIGHT COMPONENT EVALUAT. IN INC.: HEET ISSUE: WESTINGHOUSE - PWR CAPACITY: 900 MW(E) REVIS CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	NUTS ITEMS	
		2		3	4	5	6	7	
TAG NO: 2SI-V500SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 000 279709	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB 21									
COORDINATES X- 1452-0 Y- 1648-0 Z- 236-0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G 152
PHYS DWG LOC: E-7
MOUNTING:
EV.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CEB APPLIES TO:

REFERENCES: VENDOR DWG. 6378D38, 1364-4480
FLOW DIAG. CAR 2165 G 808 (F-14)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V500SA-1

A/E: EBAS SERVICES INC. | FACILITY: SHEARON | R NO.: | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUAT | SEET | CAPACITY: 900 MW(E) | CESD-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V501 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB000 279707	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2SI-V501 SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B- RAD ZONE R3					
SPECIFICATIONS:									
P.O. #173662 CND #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 11									
COORDINATES X= 1484.0 Y= 1630.0 Z= 230.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									

INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
NSSS CATEG.: APPENDIX E	

QUALIF: STATUS

PHYS DWG REF: CAR2165G151
PHYS DWG LOC: I-8
MOUNTING:
EQ.DOC.LOC: W/P.O. 173662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR2165G808 (F-13)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V501 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: BRUNSWICK | NSSS: WESTINGHOUSE - PWR | REVD- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATI | NO. 1 FEET | CAPACITY: 900 MW(E) | CESR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	OUTS ITEMS	
	1	2		3	4	5	6	7	
TAG NO : 2SI-V502SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 00	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT.USE & SERVICE: SERVING VALVE 2SI-V502SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6					
SPECIFICATIONS: PROJ. E-SPEC. 952065,R5 GEN. E-SPEC. 678852,R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X- 1568.0 Y- 1679.0 Z- 236.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G152
PHYS DWG LOC: B-17
MOUNTING :
EQ.DOC.LOC: W/P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

DSGN CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D38,1364-4480
FLOW DIAG. CAR 2165 G 808 (F-11)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : 2SI-V502SA-1

A/E: EBA SERVICES INC. | FACILITY: SHEARON | R NO.: | ISSUE: WESTINGHOUSE - PWR | REV#: 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATI | HARRIS | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	M/M	UUTB ITEMS	
	1	2		3	4	5	6	7	
TAG NO: 2SI-V503 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 279713	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V503 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 1.0 E3 100% BETA 3.4 E4		FSAR FIG. 3.11B- RAD. ZONE R3					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A-B-11									
COORDINATES X= 1548.0 Y= 1604.0 Z= 217.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF: STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR 2165 G808 (M-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V503 SA-1

PHYS DWG REF: CAR-2165 G153
PHYS DWG LOC: D-5
MOUNTING:
EQ. DOC. LOC: W.P.O. 173662

9588 CATEG.: APPENDIX E

A/E: EBA SERVICES INC. | FACILITY: SHEARON HARRIS | UNIT NO.: 1 | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V504-SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB00	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V504-SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3 E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B- RAD. ZONE R3					
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E. SPEC. 678852, R2									
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 11									
COORDINATES X=1550.0 Y=1604.0 Z=217.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR 2165 G153
PHYS DWG LOC: D-5
MOUNTING:
EQ.DOC.LOC: WPO. 173662

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR 2165 G808 (D-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V504-SB-1

A/E: TBA SERVICES INC. FACILITY: SHEARON (R NO.: NSSS: WESTINGHOUSE - PWR REV: 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E) CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	NUTB ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V505 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 00	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V505SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ-E-SPEC 952065,R5	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B- RAD ZONE R3					
SPECIFICATIONS: GEN. E-SPEC 678852,R2									
P.O #: 173662 CND #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.4									
COORDINATES X=1540.0 Y=1640.0 Z=230.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PHYS DWG REF: CAR-2165 G151
PHYS DWG LOC: F-10
MOUNTING:
EQ.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR 2165 G808 (G-2)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V505 SB-1

N/E EBAS SERVICES INC. FACILITY: BREAKING IN NO.: ISSUE WESTINGHOUSE PWR REVISION 0
UTILI: ...LINA POWER & LIGHT COMPONENT EVALUATI... SHEET CAPACITY: 900 MW(E) CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	UNIT ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V506 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB 00	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ.-E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	3.3 E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B-RAD. ZONE. R3					
SPECIFICATIONS: GEN. E-SPEC. 678852, R2									
P.O #: 173662 CWO #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 11									
COORDINATES X=1539.0 Y=1630.0 Z=230.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165G151
PHYS DWG LOC: F-10
MOUNTING:
EQ.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

DOSB CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D38, 1364-4480
FLOW DIAG. CAR 2165 G808 (G-3)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V506SA-1

UTIL: LINA POWER & LIGHT — COMPONENT EVALUATION SHEET — CAPACITY: 900 MW(E) — CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL.	DOCUMENTATION	ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/N	QUIS ITEMS	
		1	2	3	4		5	6	7	
TAG NO: 2SI-V515SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL; 1 YEAR POST DBA		OPERABILITY REVIEW						ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE										ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.						REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.						MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE										SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)						
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V515SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-						
ACCUM. SPEC: N/A										
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B-RAD. ZONE R3						
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2										SAFETY FUNCTION:
P.O #: 183622 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51						
PLANT LOC.: A.B. 11										
COORDINATES X- 1545.0 Y- 1604.0 Z- 221.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G153
PHYS DWG LOC: D-4
MOUNTING:
EV.DOC.LOC: w/ P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10CFR CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963, 136A-2929; FLOW DIAG. CAR 2165 G808 (H-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTIO
TAG: 2SI-V515SA-1

UTILI: ...INA POWER & LIGHT · COMPONENT EVALUATI... KEET · CAPACITY: 900 MW(E) CESS#

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUIS ITEMS	
	1	2		3	4	5	6	7	
TAG NO: 2SI-V515 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V515 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3 E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B- RAD. ZONE R3					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 183622 CND #:									
PLANT LOC.: A.B.11									
COORDINATES X=1545.0 Y=1604.0 Z=221.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FIELD									
QUALIF. EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9580 CATEG.: APPENDIX E

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G153
PHYS DWG LOC: D-4
MOUNTING:
EV. DOC. LOC: w/P.O. 183622

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963
1364-2929
FLOW DIAG. CAR 2165 G808 (H-S)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V515 SA-1

A/E: EBASCO SERVICES INC. FACILITY: BREAKING # NO.: MODEL: WESTINGHOUSE PWR REV. CES#:

UTILI: LINA POWER & LIGHT COMPONENT EVALUATI: KEET CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	UNIT ITEMS 7	
TAG NO: 2SI-V516SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V516SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B- RAD. ZONE B3					
ACCUM. DEM.: N/A PROJ. E-SPEC. 678959, R2									
SPECIFICATIONS: GEN. E-SPEC. 678844, R2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 183622 CND #:									
PLANT LOC.: A.B.11									
COORDINATES X=1543.0 Y=1604.0 Z=221.0	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G153
PHYS DWG LOC: D-3
MOUNTING:
EQ.DOC.LOC: w/P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10CFR CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963, 1364-2929
FLOW DIAG. CAR-2165 G808 (I-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V516SB-1

UTILIT: LINA POWER & LIGHT · COMPONENT EVALUATI KEY · CAPACITY: 900 MW(E) CESB

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUAL.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	UUTS ITEMS	
		2		3	4	5	6	7	
TAG NO.: 2SI-V516SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: AIR OPERATED VALVE TYPE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V516SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3 E4 7.2 E4 100% BETA 3.4 E4		FSAR FIG. 3.11B- RAD. ZONE R3					
ACCUM. DEM.: N/A PROJ. E-SPEC. 678959, R2									
SPECIFICATIONS: GEN. E-SPEC. 678844, R2	AGE-INST LIFE (PER 323-1970 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 183622 CMD #:									
PLANT LOC.: A.B.11									
COORDINATES X= 1543.0 Y= 1604.0 Z= 221.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165G153
PHYS DWG LOC: D-3
MOUNTING:
EQ.DOC.LOC: w/P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. D-165963, 1364-2929
FLOW DIAG. CAR-2165 G808 (I-5)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V516SB-1

A/E [illegible] SERVICES INC. FACILITY: [illegible] PWR
UTILI: LIMA POWER & LIGHT COMPONENT EVALUATI: [illegible] SHEET CAPACITY: 900 MW(E) CESS#

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUIS ITEMS	
		1	2	3	4	5	6	7	
TAG NO : 2SI-V517SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: AIR OPERATED VALVE TYPE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2SI-V517SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B- RAD. ZONE R3					
SPECIFICATIONS: GEN. E-SPEC. 678844, R2 PROJ. E-SPEC. 678959, R2									
P.O #: 183622 CND # :	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.11									
COORDINATES X- 1541.0 Y- 1604.0 Z- 217.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G153
PHYS DWG LOC: K-3
MOUNTING :
EQ.DOC.LOC: w/P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

4500 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963,
1364-2929
FLOW DIAG. CAR 2165 G808 (L-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : 2SI-V517SA-1

UTILI: LINA POWER & LIGHT COMPONENT EVALUATI KEET CAPACITY: 900 MWE(

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUAL.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/A	QUIS ITEMS	
		1	2	3	4	5	6	7	
TAG NO : 2SI-V517SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: AIR OPERATED VALVE TYPE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V517 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	3.3E4 7.2E4 100% BETA 3.4E4		FSAR FIG. 3.11B- RAD ZONE R3					
SPECIFICATIONS: GEN. E-SPEC. 678842,R2 PROJ. E-SPEC. 678959,R2									
P.O #: 183622 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB.11									
COORDINATES X= 1541.0 Y= 1604.0 Z= 217.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G153
PHYS DWG LOC: K-3
MOUNTING :
EQ.DOC.LOC: w/PO. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963, 1364-2929
FLOW DIAG. CAR 2165 G808 (L-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : 2SI-V517SA-1

UTILI: LINA POWER & LIGHT · COMPONENT EVALUATI KEET · CAPACITY: 900 MW(E) CESS-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/N	UUTS ITEMS	
TAG NO: 2SI-V530 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCTIONS & SERVICE: SERVING VALVE 2SI-V530SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									SAFETY FUNCTION:
P.O #: 183622 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A.B. 21									
COORDINATES X= 1511.0 Y= 1626.0 Z= 255.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: D-12
MOUNTING:
EQ.DOC.LOC: w/P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165993, 1364-2929
" FLOW DIAG. CAR-2165 G808 (D-12)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V530 SB-1

UTILI: ...INA POWER & LIGHT · COMPONENT EVALUATI ...EET · CAPACITY: 900 MW(E) · CES#-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	QUIS ITEMS	
		2		3	4	5	6	7	
TAG NO: 2SI-V530SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL / 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: AIR OPERATED VALVE TYPE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. / 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. / DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM / 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V530SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA / A BETA / D SHIELD / T.I.D.	2.0E4 / 7.2E4 / 100% BETA / 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RC					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CHD #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X= 1511.0 Y= 1626.0 Z= 255.0	SUBMERGED	191'0" / YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: D-12
MOUNTING:
EQ.DOC.LOC: P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9580 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. D-165993, 1364-2929
FLOW DIAG. CAR 2165 G808 (D-12)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V530SB-1

A/E: EBASCO SERVICES INC. | FACILITY: BREAKOUT | S NO.: | USER: WESTINGHOUSE - PWR | REV: 0
UTILI: INDIANA POWER & LIGHT | COMPONENT EVALUAT: MEET | CAPACITY: 900 MW(E) | CESD-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUIS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V550SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED									ACCEL TEMP
COMPONENT: LIMIT SWITCH	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V550SB-1									
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X= 1546.0 Y= 1645.0 Z= 236.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARA-METER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	NSSS CATEG.: APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. D-166121, 1364-2937
FLOW DIAG. CAR-2165 G809 (D-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: E-15
MOUNTING:
EQ. DOC. LOC: w/ P.O. 183622

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V550SB-1

A/E: EBA SERVICES INC. | FACILITY: SHEARON HAR 10.1 | NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2SI-V535SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCT. DES & SERVICE: SAFETY INJ. - SERVING VALVE 2SI-V535SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA	1.2 EG	130 EG	FSAR APP. 3.11.8-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB D PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
ACCUM. DEM.: N/A W. PROJ. SPEC. 952065 05	A BETA	3.3E7	74 EG						
	D SHIELD	100% BETA	100% BETA						
	T.I.D.	1.2 EG	204 EG						
SPECIFICATIONS: W.E. SPEC. 678852 02	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
P.O #: 173662 CWO #: SH. #0456									
PLANT LOC.: C.B. 21	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
COORDINATES X- 1537.0 Y- 1736.0 Z- 254.0									

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165 G-156
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W.P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10588 CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-809
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: SAFETY INJ.
TAG: 2SI-535SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 0.1 | NSSS: WESTINGHOUSE - PWR | VR- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION S | CAPACITY: 900 MW(E) | SR-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2SI-V536SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11, SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4.11 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCTIONS & SERVICE: SAFETY INJ. SERVING VALVE 2SI-V536SB-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A W. PROJ. SPEC. 952065 02	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7 100% BETA 1.2 E6	130 E6 74 E6 100 BETA 204 E6	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB E PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
SPECIFICATIONS: W.E. SPEC. 678862 02									
P.O #: 173662 CHD #: SH.#0456	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B. 21									
COORDINATES X- 1518.0 Y- 1652.0 Z- 249.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
INSTALLED (Y/N):									
INSTAL. REF: BY FLD.									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW HE-1
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT: 9588 CATEG.: A APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-809
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: SAFETY INJ.
TAG: 2SI-V536SB-1

QUALIF: QUALIFIED, AWAITING STATUS CONFIRMATORY DATA

PHYS DWG REF: CAR-2165G-156
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ.DOC.LOC: W.P.O. 173662

A/E: EBAS SERVICES INC. | FACILITY: SHEARON HAR 10.1 | NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V537SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11 SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS, TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #:	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCTIONS & SERVICE: SAFETY INJ. SERVING VALVE 2SI-V537SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A	R GAMMA	1.2 E6	130 E6	FSAR APP 3.11.8-20 CONT. RAD. ZONE C3	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB E PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
ACCUM. DEM.: N/A	A BETA	3.3 E7	74 E6						
	D SHIELD	100% BETA	100% BETA						
W. PROJ. SPEC. 952065 05	T.I.D.	1.2 E6	204 E6						
SPECIFICATIONS: W.E. SPEC. 677852 02	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SEC. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
P.O #: 173662 CMD # SM# 0456									
PLANT LOC.: C.B.	SUBMERGED	228.3 YES	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.
COORDINATES X- 1448.0 Y- 1716.0 Z- 250.0									

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAP-2165G-156
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ.DOC.LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

HE-1

SAR ENV CAT: 0588 CATEG.: A APPENDIX E

OTHER EQUIPMENT THIS CES. APPLIES TO:

REFERENCES: FLOW DIAG. CAP-2165 G-809
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: SAFETY INJ.
TAG: 2SI-V537SA-1

UTILI: LINA POWER & LIGHT · COMPONENT EVALUATI SHEET · CAPACITY: 900 MW(E) CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : 2SI-V550 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V550 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X- 1546.0 Y- 1645.0 Z- 236.0	SUBMERGED	191'-0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

1588 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-166121, 1364-2937
FLOW DIAG. CAR2165 G809 (D-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: E-15
MOUNTING:
EQ. DOC. LOC: w/ P.O. 183622

SYSTEM: SAFETY INJECTIO
TAG: 2SI-V550 SB-1

UTILI: INA POWER & LIGHT COMPONENT EVALUATI SHEET CAPACITY: 900 MWE() CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	WUIS ITEMS	
			2	3	4	5	6	7	
TAG NO : 2SI-V554 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO SOLENOID VALVE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V554 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA B SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG					
SPECIFICATIONS: PROJ E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: 183622 CND #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B. 21									
COORDINATES X= 1543.0 Y= 1644.0 Z= 249.0	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR2165 G152
PHYS DWG LOC: E-15
MOUNTING :
EQ.DUC.LOC: W/P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

9500 CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. D-165963, 1364-2929
FLOW DIAG. CAR 2165 G809 (K-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTIO
TAG : 2SI-V554-SB-1

UTILI: INA POWER & LIGHT COMPONENT EVALUATI SHEET CAPACITY: 900 MW(E) CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	QUIS ITEMS	
TAG NO: 2SI-V554SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: AIR OPERATED VALVE									ACCEL TEMP
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #:	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVIING VALVE 2SI-V554SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE R6					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 183622 CND #:									
PLANT LOC.: A.B. 21									
COORDINATES X= 1543.0 Y= 1644.0 Z= 249.0	SUBMERGED	191'0" YES	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G152
PHYS DWG LOC: E-15
MOUNTING:
EQ.DUC.LOC: w/ P.O. 183622

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

10CFR CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. D-165963, 1364-2929
FLOW DIAG. CAR 2165 G809 (K7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V554SB-1

A/E: CO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	DUTS ITEMS (7)	
TAG NO : 2SI-V555 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM 385°F FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)					MAINTAIN.:
MAJOR SUPPLIER : COPES VULCAN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-11302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)					
FUNCTIONS & SERVICE	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1E6 1.7E7 100% BETA 1.15E6		FSAR FIG. 3.11B-18 CONT. RAD. ZONE					
SPECIFICATIONS: PROJ. E-SPEC. 678959, R2 GEN. E-SPEC. 678844, R2									
P.O #: W/183622 CHD # : SH.#421	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: CONTAINMENT ISOLATION
PLANT LOC.: C.B.									
COORDINATES X- 1540.0 Y- 1651.0 Z- 255.0	SUBMERGED	228.3		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S
	SAR ENV CAT:	A
	0588 CATEG.:	
	APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. 2165-G809
VENDOR DWG. 1364-2937

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

PHYS DWG REF: CAR 2165 G154
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: W/ P.O. 183622

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : 2 SI V555 SA-1

A/E: [illegible] SERVICES INC. | FACILITY: SHEARON | IS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : 2SI-V555SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: SOLENOID V.	TEMPERATURE	120°F NORM 52PSIA FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. 52 PSIA FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1(DBA)					MAINTAIN.:
MAJOR SUPPLIER : COPES VULCAN									SUBCOMPONENTS:
MODEL AND: SERIAL #	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3(DBA)					
FUNCT.DES: & SERVICE									
ACCUR. SPEC: N/A	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1					
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.1 E6 1.7 E7 100% BETA 1.15 E6		FSAR FIG. 3.11B-18 CONT. RAD. ZONE C3					
SPECIFICATIONS: PROJ.E-SPEC. 678959,R2 GEN.E-SPEC. 678844,R2									
P.O # 183622 CWD # : SH.# 421	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION: CONTAINMENT ISOLATION
PLANT LOC.: C.B.									
COORDINATES X- 1540.0 Y- 1651.0 Z- 255.0	SUBMERGED	228.3 YES		FSAR SECTION 3.6					AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF:
QUALIF EXEMPTN:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF: STATUS

PHYS DWG REF: CAR 2165 G154
PHYS DWG LOC:
MOUNTING :
EQ.DOC.LOC: w/ P.O. 183622

SAR ENV CAT: A
0588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165. G809.
VENDOR DWG. 1364-2937

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION # :
DATE :

SYSTEM : SAFETY INJECTION
TAG : 2 SI V555 SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 1 | NSSS: WESTINGHOUSE - PWR | VN- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | CAPACITY: 900 MW(E) | SH-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	1 ACTUAL	2 DEN. QUALIF.	3 DOCUMENTATION ACTUAL	4 DEN. QUALIF.	5 QUALIF. METHOD	6 H/M	7 OUTS ITEMS	
TAG NO: 2SI-V570SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE 11 SEC. 3.6 & 4.6 PAGE 11 & 25	TYPE TEST	/	NONE	ACCEL TIME: 15092 HOURS
EQUIPMENT: VALVE TYPE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS, TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	ACCEL TEMP: 180°C
COMPONENT: MOTOR									REPLACEMENT: 40 YEARS
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 6004SG PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	MAINTAIN.:
MAJOR SUPPLIER: WESTHS.									SUBCOMPONENTS: TORQUE & LIMIT SW.
MODEL AND SERIAL #: SB-1	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E	
FUNCTION & SERVICE: SAFETY INJ. SERVING VALVE 2SI-V570SB-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE	
ACCUM. SPEC: N/A									
ACCUM. DEN.: N/A	R GAMMA A BETA D SHIELD T.I.D.	6.2 E5 1.8 E7 100% BETA 6.7 E5	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.B-20 CONT. RAD. ZONE C2	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB E P. 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G	
SPECIFICATIONS: W.P. PROJ. SPEC. 952065 02 W.E. SPEC. 678852 02									
P.O #: 173662 CHD #: SM.#0417	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 3.1.1 PAGE 3 SRS TAB E PAGE 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F	SAFETY FUNCTION: SEE TAB "B" OF HE-1
PLANT LOC.: C.B.									
COORDINATES X- 1545.0 Y- 1644.0 Z- 190.0	SUBMERGED	228.3 NO	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE	AUTH. REFERENCE: M.J.H.

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PHYS DWG REF: CAR-2165G-151
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10CFR CATEG.: A
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165G-810
LIMITORQUE TEST REPORT 6004SG

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84

SYSTEM: SAFETY INJ.
TAG: 2SI-V570SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS 1 | NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION S. | CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO: 2SI-V571SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA	40 YEARS NORMAL 1 YEAR POST DBA	OPERABILITY REVIEW	TEST REPORT SEC. 4.1 PAGE III, SEC. 3.6 & 4.6 PAGE II & 25	TYPE TEST	/	NONE
EQUIPMENT TYPE: VALVE GATE	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA	144°F NORM. 385°F DBA	FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1	SRS TAB E PAGE 1C THRU 6C	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
COMPONENT: MOTOR	PRESSURE	ATMOS. NORM. FSAR FIG. 3.11.8-1 FOR DBA	ATMOS. NORM. 70 PSIG DBA	FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)	REPORT 600456 PAGE 10 & 14 SRS TAB E PAGE 2B	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM. 100% DBA	FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)	TEST REPORT SECT. 4.4.3 PAGE 18 SRS TAB E PAGE 1E	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E, PAGE 1E
MAJOR SUPPLIER: WESTHS.	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0	3000 PPM BORON PH 10.5-11.1	FSAR SECT. 3.11.5.1	TEST REPORT SECT. 4.4.2 PAGE 17 SRS TAB E PAGE 1D	COMB. TYPE TEST & SUPP. REVIEW	H	NONE
MODEL AND SERIAL #: SB-1	R GAMMA A BETA D SHIELD T.I.D.	6.2E5 1.8E7 100% BETA 6.7E5	130 EG 74 EG 100% BETA 204 EG	FSAR APP. 3.11.8-20 CONT. RAD. ZONE C2	TEST REPORT SEC. 4.3 PAGE 12 SRS TAB E P. 1G THRU 3G	COMB. TYPE TEST & SUPP. REVIEW	H	SEE TAB E PAGE 1G
FUNCT. DES & SERVICE: SAFETY INJ. SERVING VALVE 2SI-V571SA-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	456 YEARS	10 CFR 50 PARAGRAPH 50.51	TEST REPORT SECT. 3.1.1 PAGE 3 SRS TAB E PAGE 1F THRU 3F	COMB. TYPE TEST & SUPP. REVIEW	/	SEE TAB E, PAGE 1F
ACCUM. SPEC: N/A	SUBMERGED	228.3 NO	N/A	FSAR SECTION 3.6	N/A SRS TAB E PAGE 1A	N/A	/	NONE
ACCUM. DEM.: N/A W. PROJ. SPEC. 952065 02								
SPECIFICATIONS: W.E. SPEC. 678852 02								
P.O #: 173662 CHD #: SH.# 0416								
PLANT LOC.: C.B.								
COORDINATES X- 1455.0 Y- 1644.0 Z- 190.0								
INSTALLED (Y/N): INSTAL. REF: BY FLD. QUALIF EXEMPTN: N/A								

ACCEL TIME: 15092 HOURS
ACCEL TEMP: 180°C
REPLACEMENT: 40 YEARS
MAINTAIN.:
SUBCOMPONENTS: TORQUE & LIMIT SW.
SAFETY FUNCTION: SEE TAB "B" OF HE-1
AUTH. REFERENCE: M.J.H.

QUALIF STATUS: QUALIFIED, AWAITING CONFIRMATORY DATA

PARAMETER	SUPPL. REVIEW
OPERABILITY	O HE-1
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

PHYS DWG REF: CAR-2165 G-151
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING:
EQ. DOC. LOC: W P.O. 173662

SAR ENV CAT: 0580 CATEG. A APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-810
LIMITORQUE TEST REPORT 600456

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 4-21-84
SYSTEM: SAFETY INJ.
TAG: 2SI-V571SA-1

A/E: EBA SERVICES INC. | FACILITY: SHEARON | TR NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS
	1	2		3	4	5	6	7
TAG NO: 2SI-V572 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW				
EQUIPMENT TYPE: VALVE								
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.				
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.				
MAJOR SUPPLIER: WESTINGHOUSE								
MODEL AND SERIAL #: SB-1 274-796	RELATIVE HUMIDITY	20-90% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)				
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V572 SB-1								
	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-				
ACCUM. SPEC: N/A								
ACCUM. DEM.: N/A PROJ. E-SPEC. 952065, R5	R GAMMA A BETA D SHIELD T.I.D.	2.8 E4 7.2 E4 100% BETA 2.9 E4		FSAR FIG. 3.11B- RAD. ZONE R1				
SPECIFICATIONS: GEN. E-SPEC.								
P.O #: 173662 CWO #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51				
PLANT LOC.: A.B.01								
COORDINATES X- 1548.0 Y- 1634.0 Z- 190.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A			

ACCEL TIME:
ACCEL TEMP:
REPLACEMENT:
MAINTAIN.:
SUBCOMPONENTS:
SAFETY FUNCTION:
AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G151
PHYS DWG LOC: I-13
MOUNTING:
EV.DOC.LOC: w/P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

NSSS CATEG.: APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8763D80, 1364-4482
FLOW DIAG. CAR 2165 G810 (M-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V571 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS (R NO.) | NSSS: WESTINGHOUSE - PWR | REV: 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUAT. | FLEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/N	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V573SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SEB-1 277944	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V573SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A PROJ.-E-SPEC. 952065,R5	R GAMMA A BETA D SHIELD T.I.D.	2.8E4 7.2E4 100% BETA 2.9E4		FSAR FIG. 3.11B-RAD ZONE R1					
SPECIFICATIONS: GEN.E-SPEC. G78852,R2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
P.O #: 173662 CND #:									
PLANT LOC.: A.B.01									
COORDINATES X- 1452.0 Y- 1634.0 Z- 190.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF:
STATUS

PHYS DWG REF: CAR-2165 G151
PHYS DWG LOC: H-4
MOUNTING:
EQ.DOC.LOC: w/ P.O. 173662

NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8376D80, 1364-4482
FLOW DIAG. CAR 2165 G 810 (N-7)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJECTION
TAG: 2SI-V537SA-1

A/E: EBA SERVICES INC. | FACILITY: SHEARON HARRIS | NSSS: WESTINGHOUSE - PWR | REV:
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION | UNIT NO.: 1 | SHEET | CAPACITY: 900 MW(E) | CES#:

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	M/H	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V574SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			—		ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-1 305490	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V574SB-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.8 E4 7.2 E4 100% BETA 2.9E4		FSAR FIG. 3.11B- RAD. ZONE R1			H		
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 173662 CMD #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			—		
PLANT LOC.: A.TS.01									
COORDINATES X=1548.0 Y=1626.0 Z=190.0	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A		—		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF STATUS

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
9580 CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D69, 1364-4530
FLOW DIAG. CAR 2165 G810 (E-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

PHYS DWG REF: CAR2165 G151
PHYS DWG LOC: I-14
MOUNTING:
EV. DOC. LOC: w/P.O. 173662

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTION
TAG: 2SI-V574SB-1

A/E: EBA SERVICES INC. FACILITY: SHEARON HARRIS NO. 1 NSSS: WESTINGHOUSE - PWR REV: 0
UTILI: CAROLINA POWER & LIGHT COMPONENT EVALUATI SHEET CAPACITY: 900 MW(E) CES#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	UNIQ ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V575 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-1	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V575 SA-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.8E4 7.2E4 100% BETA 2.9E4		FSAR FIG. 3.11B-22 RAD. ZONE R1					
SPECIFICATIONS: PROJ. E.SPEC. 952065, R5 GEN. E-SPEC. 678852, R2									SAFETY FUNCTION:
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: AB 01									
COORDINATES X- 1548.0 Y- 1626.0 Z- 190.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
10580 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
FLOW DIAG. CAR 2165 G810 (N-10)
VENDOR DWG. 1364-4530

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: SAFETY INJ.
TAG: 2SI-V575 SA-1

QUALIF:
STATUS
PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EV.DOC.LOC: w/P.O. 173662

A/E: EBA SERVICES INC. | FACILITY: SHEARON HARRIS | TR NO.: | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UNIT ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2SI-V576SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			—		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		MAINTAIN:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-1 309032	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCTIONS & SERVICE: SERVING VALVE 2SI-V576SB-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6			H		
SPECIFICATIONS: PROJ. E-SPEC. 962065,R5 GEN. E-SPEC. 678852,R2									
P.O #: 173662 CND #	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			—		SAFETY FUNCTION:
PLANT LOC.: A.B.21									
COORDINATES X= 1570.0 Y= 1632.0 Z= 236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A		—		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: F-17
MOUNTING:
EQ.DOC.LOC: w/P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
NSSS CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D42, 1364-4483
FLOW DIAG. CAR 2165 G810 (E-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTION
TAG: 2SI-V576SB-1

A/E FIRM: SERVICES INC. | FACILITY: BREAKDOWN | NSSS: WESTINGHOUSE - PWR | REV: 0
UTILITY: ALINA POWER & LIGHT | COMPONENT EVALUATION | UNIT NO.: 1 SHEET | CAPACITY: 900 MW(E) | CESG-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
		2		3	4	5	6	7	
TAG NO: 2SI-V577SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			—		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-1 309031	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V577SA-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0 E4 7.2 E4 100% BETA 3.0 E4		FSAR FIG. 3.11B- RAD. ZONE RG			H		
SPECIFICATIONS: PROJ. E-SPEC. 952065, R5 GEN. E-SPEC. 678862, R2									SAFETY FUNCTION:
P.O #: 173662 CND #:	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			—		
PLANT LOC.: A.B.21									
COORDINATES X= 1525.0 Y= 1626.0 Z= 236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A	N/A	—		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF. STATUS

PHYS DWG REF: CAR2165G152
PHYS DWG LOC: G-14
MOUNTING:
EQ. DOC. LOC: w/P.O. 173662

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
0588 CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D42, 1364-4483
FLOW DIAG. CAR2165G810(D-6)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTIO
TAG: 2SI-V577SA-1

A/E: EBAS DEVICES INC. FACILITY: BREAKOUT IN NO.: ISSUE: WESTINGHOUSE - PWR REVD: 0
UTIL: LINE POWER & LIGHT COMPONENT EVALUATI SHEET CAPACITY: 900 MW(E) CESD-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V578 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			—		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-2 284461	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCT. USE & SERVICE: SERVING VALVE 2SI-V578 SB-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE RG			H		
SPECIFICATIONS: PROJ. E-SPEC. 952065,R5 GEN. E-SPEC. 678852,R2									SAFETY FUNCTION:
P.O #: 173662 CND # 1	ACC-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			—		
PLANT LOC.: A.B. 21									
COORDINATES X=1564.0 Y=1660.0 Z=236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A	N/A	—		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: C-17
MOUNTING:
EQ.DOC.LOC: WP.O. 173662

PARAMETER	SUPPL. REVISION
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
9500 CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D53, 1364-4487
FLOW DIAG. CAR 2165 G810 (E-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTION
TAG: 2SI-V578SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS | TB NO.: | NSSS: WESTINGHOUSE - PWR | REV: 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO: 2SI-V579SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			—		ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.			M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.			M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: SB-2 2844-58	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)			M		
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V579SA-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A		
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	2.0E4 7.2E4 100% BETA 3.0E4		FSAR FIG. 3.11B- RAD. ZONE R6			H		
SPECIFICATIONS: PROJ. E-SPEC. 952065,R5 GEN. E-SPEC. 678852.R2									SAFETY FUNCTION:
P.O #: 173662 CHO #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			—		
PLANT LOC.: A.B.21									
COORDINATES X= 1516.0 Y= 1627.0 Z= 236.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A	N/A	—		AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G152
PHYS DWG LOC: G-9
MOUNTING:
EV.DOC.LOC: P.O. 173662

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
10CFR CATEG.: APPENDIX E	C

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES:
VENDOR DWG. 8378D53, 1364-4487
FLOW DIAG. CAR 2165 G810 (C-4)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTION
TAG: 2SI-V579SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO. 1 | NSSS: WESTINGHOUSE - PWR | REVISION: 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CESR#:

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION	ACTUAL	DEM. QUALIF.	QUALIF. METHOD	H/M	NUTS ITEMS	
	1		2	3		4	5	6	7	
TAG NO: 2SI-V587 SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW				—		ACCEL TIME:
EQUIPMENT TYPE: VALVE										ACCEL TEMP:
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.				M		REPLACEMENT:
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.				M		MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE										SUBCOMPONENTS:
MODEL AND SERIAL #: SB-2 284456	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)				M		
FUNCT. DES & SERVICE: SERVING VALVE 2SI-V587 SA-1	CHEMICAL SPRAY	N/A	N/A	FSAR SECT. 3.11-		N/A	N/A			
ACCUM. SPEC: N/A										
ACCUM. DEN.: N/A PROJ. E-SPEC. 952065,R5	R GAMMA A BETA D SHIELD T.I.D.	8.9 E4 NEGL. 100% BETA 1.89 E5		FSAR FIG. 3.11B-RAD. ZONE TRC				H		
SPECIFICATIONS: GEN. E-SPEC. 678852,R2										
P.O #: 173662 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51				—		SAFETY FUNCTION:
PLANT LOC.: A.B. 21										
COORDINATES X= 1430.0 Y= 1627.0 Z= 245.0	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A		N/A	—		AUTH. REFERENCE:
INSTALLED (Y/N):										

INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
NSSS CATEG.: APPENDIX E	C

QUALIF:
STATUS

PHYS DWG REF: CAR 2165 G 152
PHYS DWG LOC: B-4
MOUNTING:
EQ.DOC.LOC: W.P.O. 173662

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: VENDOR DWG. 8378D53, 1364-4487
FLOW DIAG. CAR 2165 G 810 (B-3)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: HE-1

REVISION #: 0
DATE: 9-20-84

SYSTEM: SAFETY INJECTION
TAG: 2SI-V587 SA-1

A/E: EBASCO SERVICES INC.
UTILITY: [illegible] POWER & LIGHT

FACILITY: SHEARON H[illegible]R NO. 1
COMPONENT EVALUATI[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- [illegible]
(FS#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	UUTS ITEMS	
			2	3	4	5	6	7	
TAG NO: 2WG [illegible] B-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: SOLENOID VALVE	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: FT831654	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2WG-D291SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-					
SPECIFICATIONS: PROJ. E-SPEC. 952067,R2 GEN. E-SPEC. 678845,R1									
P.O #: 191003 CHD #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.									
COORDINATES X- Y- Z-	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EV.DOC.LOC: W/P.O. 191003

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDITY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

SAR ENV CAT:
USAR CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165G813 (D-16)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE GAS

TAG: 2WG-291SB-1

A/E: EBAS [illegible]
UTIL: [illegible]

FACILITY: SHEARON H[illegible]R NO.1
COMPONENT EVALUATI[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY: [illegible] MW(E)

REV- 0
CES0-

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	M/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2WG-D291SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: EA170	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2WG-D291SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-					
SPECIFICATIONS: PROJ. E-SPEC. 952067,R2 GEN. E-SPEC. 678845,R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1979 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: A.B.									
COORDINATES X- Y- Z-	SUBMERGED	191'0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMIDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

QUALIF:
STATUS
PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 191003

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165G813 (D-16)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE GAS
TAG: 2WG-D291SB-1

A/E TOASCH SERVICES INC. FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT CES#:
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	DUTS ITEMS 7	
TAG NO: 2WG-D590SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE DIAPH.									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: GRINNELL	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DESC & SERVICE: WASTE PROC. (GAS) SERVING VALVE 2WG-D590SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A W PROJ. SPEC. 952067 02	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11.B-18 CONT. RAD. ZONE C3			/ H		
SPECIFICATIONS: W.E. SPEC. 678845 01									SAFETY FUNCTION:
P.O #: 191003 CHD # 15H.#0563	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		
PLANT LOC.: C.B. 21									
COORDINATES X-1507.0 Y-1638.0 Z-242.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF: CAR-2166 G450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ. DOC. LOC: 3.2

SAR ENV CAT: A
10588 CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-813

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE PROC. (GAS)
TAG: 2WG-D590SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI: CAROLINA POWER & LIGHT | COMPONENT EVALUAT. SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	N/M 6	OUTS ITEMS 7	
TAG NO: 2WG-D590SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE DIAPH.									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: GRINNELL	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: EA170-14302	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: WASTE PROC. (GAS) SERVING VALVE 2WG-D590SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.	1.2 E6 3.3 E7		FSAR APP. 3.11.8-18 CONT. RAD. ZONE			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 952067 02 W.E. SPEC. 678845 01									
P.O #: 191003 CWO # SH.#0563	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B21									
COORDINATES X- 1507.0 Y- 1638.0 Z- 242.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FLD.									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165G-813

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE PROC. (GAS)
TAG: 2WG-D590SA-1

QUALIF: STATUS

PHYS DWG REF: CAR-2666G450
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUAT. SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2WL-L600SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE LEVEL CONTR.									ACCEL TEMP:
COMPONENT: SOLENOID	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		IN PLACE HRS:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: HT 8300864-RF	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. USE & SERVICE: WASTE PROC. (LIQUID) SERVING VALVE 2WL-L600SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR APP. 3.11.8 CONT. RAD. ZONE			/ H		
ACCUR. DEM.: N/A									
SPECIFICATIONS: W.P. PROJ. SPEC. 67895902 W.E. SPEC. 67884402	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
P.O #: 183622 CHD #: SH.#0562									
PLANT LOC.: C.B. 11									
COORDINATES X- 1497.0 Y- 1638.0 Z- 230.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:
INSTALLED (Y/N):									
INSTAL. REF: BY FLD.									
QUALIF EXEMPTN: N/A									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

QUALIF: STATUS

PHYS DWG REF:
PHYS DWG LOC: TOTAL EQUIP. LIST
MOUNTING: N/A
EQ.DOC.LOC: 3.2

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-813

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE PROC. (LIQUID)
TAG: 2WL-L600SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NO.1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTIL: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO: 2WL-LG00SA-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW			/		ACCEL TIME:
EQUIPMENT TYPE: VALVE LEVEL CONTR.									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	120°F NORM FSAR FIG. 3.11.4-1 FOR DBA		FSAR TABLE 9.4.0-1 FSAR FIG. 3.11.4-1			/ H		REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR SUPPLIER: COPES VULCAN	PRESSURE	ATMOS. NORM. SEE FSAR FIG. 3.11.6-1 FOR DBA		FSAR SECT. 3.11.6 NORM. & FIG. 3.11.6-1 (DBA)			/ H		SUBCOMPONENTS:
MODEL AND SERIAL #: D2400X	RELATIVE HUMIDITY	40% NORM 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.4.3 (DBA)			/ H		
FUNCT. DES & SERVICE: WASTE PROC. (LIQUID) SERVING VALVE 2WL-LG00SA-1	CHEMICAL SPRAY	2000-2100 PPM BORON PH 8.5-11.0		FSAR SECT. 3.11.5.1			/ H		
ACCUR. SPEC: N/A									
ACCUR. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR APP. 3.11.8 CONT. RAD. ZONE			/ H		
SPECIFICATIONS: W. PROJ. SPEC. 678959 02 W.E. SPEC. 678844 02									
P.O #: 183622 CMD #: SN.#0562	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51			/		SAFETY FUNCTION:
PLANT LOC.: C.B.11									
COORDINATES X-1497.0 Y-1638.0 Z-230.0	SUBMERGED	228.3 YES	N/A	FSAR SECTION		N/A	/	NONE	AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FLD.
QUALIF EXEMPTN: N/A

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S
SAR ENV CAT:	A
0588 CATEG.:	
APPENDIX E	

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. CAR-2165 G-813

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE PROC. (GAS)
TAG: 2WL-LG00SA-1

QUALIF:
STATUS

PHYS DWG REF:
PHYS DWG LOC: TOTAL EQUIP LIST
MOUNTING: N/A
EQ.DOC.LOC: 9.2

A/E: EBASCO SERVICES INC.
UTIL: [illegible] INA POWER & LIGHT
FACILITY: BREAKOUT MI [illegible] NO. 1
COMPONENT EVALUATI[illegible]ET
NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)
REV#- 0
CES#-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF. 2	DOCUMENTATION ACTUAL	DEM. QUALIF. 4	QUALIF. METHOD 5	M/M 6	UNITS ITEMS 7	
TAG NO: 2WL-D650 SB-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT TYPE: VALVE									ACCEL TEMP:
COMPONENT: SOLENOID V.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: ASCO									MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					SUBCOMPONENTS:
MODEL AND SERIAL #: FT 831654	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. USE & SERVICE: SERVING VALVE 2WL-D650 SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A									
ACCUM. DEM.: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-					
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E. SPEC. 678845, R1									
P.O #: 191003 CND #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					SAFETY FUNCTION:
PLANT LOC.: AB.									
COORDINATES X- Y- Z-	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O.
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDTY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 191003

SAR ENV CAT:
NSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165-G813 (D-13)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE LIQUID
TAG: 2WL-D650 SB-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON H[illegible] R NO.1 | NSSS: WESTINGHOUSE - PWR | REV- 0
UTIL: [illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible] SHEET | CAPACITY: 900 MW(E) | CESP-

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL	DEM. QUALIF.	DOCUMENTATION ACTUAL	DEM. QUALIF.	QUALIF. METHOD	N/M	OUTS ITEMS	
		1	2	3	4	5	6	7	
TAG NO: 2WL-DG50[illegible] B-1	OPERABILITY NORM/TEST DBA	40 YEARS NORMAL 1 YEAR POST DBA		OPERABILITY REVIEW					ACCEL TIME:
EQUIPMENT: VALVE TYPE									ACCEL TEMP:
COMPONENT: LIMIT SW.	TEMPERATURE	104°F NORM. 104°F DBA		FSAR TABLE 9.4.0-1 FSAR FIG.					REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS. NORM. DBA NORM.		FSAR SECT.					MAINTAIN.:
MAJOR SUPPLIER: WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: EA170	RELATIVE HUMIDITY	20-90% NORM. 100% DBA		FSAR TABLE 9.4.0-1 NORM. FSAR SECT. 3.11.3 (DBA)					
FUNCT. DES & SERVICE: SERVING VALVE 2WL-DG50SB-1	CHEMICAL SPRAY	N/A		FSAR SECT. 3.11-					
ACCUM. SPEC: N/A	R GAMMA A BETA D SHIELD T.I.D.			FSAR FIG. 3.11B-					
ACCUM. DEM.: N/A									
SPECIFICATIONS: PROJ. E-SPEC. 952067, R2 GEN. E-SPEC. 678845, R1									SAFETY FUNCTION:
P.O #: 191003 CWO #:	AGE-INST LIFE (PER 323-1978 DEF.)	40 YEARS		10 CFR 50 PARAGRAPH 50.51					
PLANT LOC.: A.13.									
COORDINATES X- Y- Z-	SUBMERGED	191'-0"	N/A	FSAR SECT. 3.6	N/A				AUTH. REFERENCE:

INSTALLED (Y/N):
INSTAL. REF: BY FIELD
QUALIF. EXEMPTN: N/A

QUALIF STATUS	PARAMETER	SUPPL. REVIEW
	OPERABILITY	O
	TEMPERATURE	T
	PRESSURE	P
	REL. HUMIDITY	H
	CHEM. SPRAY	C
	RADIATION	R
	AGING	A
	SUBMERGENCE	S

PHYS DWG REF:
PHYS DWG LOC:
MOUNTING:
EQ.DOC.LOC: w/ P.O. 191003

SAN ENV CAT:
DSSS CATEG.:
APPENDIX E

OTHER EQUIPMENT THIS CES APPLIES TO:

REFERENCES: FLOW DIAG. 2165 G813 (D-13)

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

REVISION #:
DATE:

SYSTEM: WASTE LIQUID

TAG: 2WL-DG50SB-1

SYSTEM # & NAME: 0050-AC POWER DISTR.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
480V MCC# 1A21-SA	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1461.0 1615.0 286.0	H	A	SS		2685	00
480V MCC# 1A22-SA	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB21	1545.0 1769.0 236.0	H	A	SS		2686	00
480V MCC# 1A31-SA	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1473.0 1619.0 286.0	H	A	SS		2688	00
480V MCC# 1A34-SA	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1474.0 1633.0 286.0	H	A	SS		2690	00
480V MCC# 1A36-SA	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB51	1628.0 1670.0 305.0	H	A	SS		2692	00
480V MCC# 1B21-SB	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1537.0 1615.0 286.0	H	A	SS		2693	00
480V MCC# 1B31-SB	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1527.0 1618.0 286.0	H	A	SS		2696	00
480V MCC# 1B34-SB	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB41	1527.0 1630.0 286.0	H	A	SS		2698	00
480V MCC# 1B36-SB	SEE NOTE (1) OFCES	DISTRIBUTES AC POWER	GOULD	SERIES 5600	AB51	1595.0 1660.0 305.0	H	A	SS		2700	00

8412070220

SYSTEM # & NAME:AF0019-AUXILIARY FEEDWTR

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
CP AUX FW P 1X-SAB	CONTROL PANEL	LATER	TERRY	LATER	AB21	1525.0 1520.0 236.0	H	A	CRHR		2318	00
PT 1AF 2170 SB	PRESSURE TRANSMITTER	AUX FW TURB PMP DISCH PRESS	ROSEMOUNT	1153G99	AB21	1508.0 1545.0 236.0	H	A	CRHR		0212	00
PT 1AF 2250A SA	PRESSURE TRANSMITTER	A AUX FW PMP SUCT PRES	ROSEMOUNT	1153GB7	AB21	1475.0 1528.0 236.0	H	A	CRHR		0227	00
PT 1AF 2250B SB	PRESSURE TRANSMITTER	B AUX FW PMP SUCT PRES	ROSEMOUNT	1153GB7	AB21	1492.0 1545.0 236.0	H	A	CRHR		0228	00
PT 1AF 2270 SB	PRESSURE TRANSMITTER	AUX FW TURB PMP SUCT PRES	ROSEMOUNT	1153GB7	AB21	1508.0 1545.0 236.0	H	A	CRHR		0232	00
P1X-SAB AUX FW TD	AUX. FEED PUMP TURBINE	DRIVER OF TURBINE OPER AUX FEED PUMP	TERRY CORP	GS-2N	AB21	1520.0 1529.0 236.0	H	A	CRHR		2116	00
3AF-P1SA-1	HYDRA MOTOR	LATER	ITT HANNEL DAHL/CONOFL	LATER	AB21	1484.0 1521.0 248.0	H	A	CRHR		3214	00
3AF-P1SA-1	LIMIT SWITCH #1(1 OF 2)	LATER	ITT HANNEL DAHL/CONOFL	LATER	AB21	1484.0 1521.0 248.0	H	A	CRHR		3215	00
3AF-P1SA-1	LIMIT SWITCH #2(2 OF 2)	LATER	ITT HANNEL DAHL/CONOFL	LATER	AB21	1484.0 1521.0 248.0	H	A	CRHR		5130	00
3AF-P2SB-1	HYDRA MOTOR	AUX FEED PUMPS MOTOR 1B-SB OUTLET	ITT HANNEL DAHL/CO	NM22K6002 FIL218	AB21	1499.0 1520.0 248.0	H	A	CRHR		3216	00
3AF-P2SB-1	LIMIT SWITCH #2(2 OF 2)	LATER	ITT HANNEL DAHL/CONOFL	LATER	AB21	1499.0 1520.0 248.0	H	A	CRHR		3217	00
3AF-P2SB-1	LIMIT SWITCH #2(2 OF 2)	LATER	ITT HANNEL DAHL/CONOFL	LATER	AB21	1499.0 1520.0 248.0	H	A	CRHR		5131	00

TAGS INCLUDED: CP AUX FW P 1X-----3AF-P2SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AF0019-AUXILIARY FEEDWTR

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3AF-V187SA-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-00-15	AB21	1478.0 1533.0 236.0	H	A	CRHR		3218	00
3AF-V188SB-1	MOTOR OPERATOR	AUX FEED PUMP 1B-SB RECIRC TO COND STOR	LIMITORQUE	SMB-00-15	AB21	1493.0 1533.0 236.0	H	A	CRHR		3220	00
P1A-SA AUX FW	AUX. FEED PUMP MOTOR	DRIVER OF MOTOR OPER AUX. FEED PUMP.	WESTING-HOUSE	FRAME 5810 H	AB 21	1488.0 1523.0 236.0	H	A	CRHR		2105	00
P1B-SB AUX FW	AUX FEED.	DRIVER OF MOTOR OPER AUX FEED PUMP	WESTING-HOUSE	FRAME 5810H	AB 21	1504.0 1523.0 236.0	H	A	CRHR		2111	00

SYSTEM # & NAME:BD0023-BLOWDOWN

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
PT 1BD 8405A2 S B	PRESSURE TRANSMITTER	STM GEN 1A RAB LINE LEAK DET	ROSEMOUNT	1153GB9	AB21	1552.0 1520.0 236.0	H	A	CI		1018	00
PT 1BD 8405B1 S A	PRESSURE TRANSMITTER	STM GEN 1B RAB LINE BREAK DET	ROSEMOUNT	1153GB9	AB21	1502.0 1626.0 236.0	H	A	CI		1023	00
PT 1BD 8405B2 S B	PRESSURE TRANSMITTER	STM GEN 1B RAB LINE BREAK DET	ROSEMOUNT	1153GB9	AB21	1552.0 1520.0 236.0	H	A	CI		1021	00
PT 1BD 8405C1 S A	PRESSURE TRANSMI	STM GEN 1C RAB LINE BREAK DET	ROSEMOUNT	1153GB9	AB21	1575.00 1676.00 236.0	H	A	CI		1020	00
PT 1BD 8405C2 S B	PRESSURE TRANSMITTER	STM. GEN 1C RAB LINE BREAK DET	ROSEMOUNT	1153GB9	AB21	1552.0 1520.0 236.0	H	A	CI		1022	00
2BD-V11SA-1	SOLENOID VALVE	S/G A BLDWN TO ISOLATION VAV 2BD-V11SN	ASCO	NP8320A185E	AB21	1426.0 1688.0 255.0	H	A	CI	*	2826	00
2BD-V11SA-1	LIMIT SWITCH (1OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1426.0 1688.0 255.0	H	A	CI	*	2827	00
2BD-V11SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1426.0 1688.0 255.0	H	A	CI	*	5089	00
2BD-V15SA-1	SOLENOID VALVE	S/G B BLDWN TO ISOLATION VLV 2BD-V15SN	ASCO	NP8320A185E	AB21	1494.0 1623.0 253.0	H	A	CI	*	2828	00
2BD-V15SA-1	LIMIT SWITCH (1OF 2)	S/G B BLDWN TO ISOLATION VLV 2BD-V15SN	NAMCO	EA-180-1130 2	AB21	1494.0 1623.0 253.0	H	A	CI	*	2829	00
2BD-V15SA-1	LIMIT SWITCH (2 OF 2)	S/G B SLDWN TO ISOLATION VLV 2BD-V15SN	NAMCO	EA-180-1130 2	AB21	1494.0 1623.0 253.0	H	A	CI	*	5090	00
2BD-V19SA-1	SOLENOID VALVE	FAIL CLOSE	ASCO	NP-8320A185 E	AB21	1574.0 1689.0 255.0	H	A	CI	*	2830	00

TAGS INCLUDED: PT 1BD 8405A2 S----2BD-V19SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:BD0023-BLOWDOWN

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2BD-V19SA-1	LIMIT SWITCH (1OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1574.0 1689.0 255.0	H	A	CI	*	2831	00
2BD-V19SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1574.0 1689.0 255.0	H	A	CI	*	5088	00

SYSTEM # & NAME : 0174- CHLORINE LEAK DETECTION

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X, Y, Z	ENVIROM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AE-1CZ-7816-A1-SA	PROBE UNIT	MONITOR CHLORINE LEAKAGE	ANACON	LATER	TA 11	1381.0 1521.0 308.0	H	A	SS		0896	00
AE-1CZ-7816-B1-SB	PROBE UNIT	MONITOR CHLORINE LEAKAGE	ANACON	LATER	TA11	1381.0 1518.0 310.0	H	A	SS		0898	00
AE 1CZ 7829A SA	PROBE UNIT	CNTRL RM NRML OAI CHLORINE DET	ANACON	LATER	AB51	1596.0 1676.0 309.0	H	A	SS		0970	00
AE 1CZ 7829B SB	PROBE UNIT	CNTRL RM NRML OAI CHLORINE DET	ANACON	LATER	AB51	1594.0 1676.0 309.0	H	A	SS		0969	00

SYSTEM # & NAME:SE0084-CNTRL BOARDS& PNL(I&C)

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
A1-C7-ESF-A	TERMINAL BLOCK	LATER	GE	LATER	AB31	1435.0 1660.0 261.0	H	A	SS		2477	00
A1-C7-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB31	1565.0 1660.0 261.0	H	A	SS		4086	00
A1-R1-ESF-A	TERMINAL BLOCK	LATER	GE	LATER	AB11	1527.0 1624.0 216.0	H	A	SS		3891	00
A1-R11-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB21	1584.0 1529.0 236.0	H	A	SS		2314	00
A1-R29-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB21	1508.0 1545.0 236.0	H	A	SS		4056	00
A1-R30-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB21	1531.0 1568.0 236.0	H	A	SS		4057	00
A1-R31-ESF-A	TERMINAL BLOCK	LATER	GE	LATER	AB11	1414.0 1609.0 216.0	H	A	SS		2315	00
A1-R32-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB11	1584.0 1613.0 216.0	H	A	SS		4058	00
A1-R35-ESF-P	TERMINAL BLOCK	LATER	GE	LATER	AB21	1620.0 1568.0 236.0	H	A	SS		4060	00
A1-R4-ESF-A	TERMINAL BLOCK	LATER	GE	LATER	AB11	1414.0 1630.0 216.0	H	A	SS		4061	00
A1-R41-ESF-B	TERMINAL BLOCK	LATER	GE	LATER	AB21	1552.0 1520.0 236.0	H	A	SS		4062	00
A1-R5-ESF-B	TERMINAL BLOCK	LATER.	GE	LATER	AB11	1584.0 1622.0 216.0	H	A	SS		4063	00

TAGS INCLUDED: A1-C7-ESF-A ----A1-R5-ESF-B
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:EE0084-CNTRL BOARDS& PNL(I&C)

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
CP 21AV-3509SA		LATER		BY FIELD	AB51		H	A			4076	00
ISOL-TRANM RACK A1-R45A	LATER	LATER	LATER	LATER	AB21	1571.0 1710.0 236.0	H	A	SS		4925	00
ISOL-TRANM RACK A1-R45B	LATER	LATER	LATER	LATER	AB21	1581.0 1687.0 236.0	H	A	SS		4926	00

SYSTEM # & NAME:CC0014-COMP.COOLING WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
FS 1CC 7001A SA	304,316 SST	CLG WTR TO RCP OIL COOLER	FLUID COMPA RTMENTS	12-64-4	AB21	1577.0 1658.0 243.6	H	A	CI		3936	00
FS 1CC 7001B SB	304,316 SST	CLG WTR TO RCP OIL COOLER	FLUID COMPA RTMENTS	12-64-4	AB21	1577.0 1641.0 243.6	H	A	CI		3941	00
REM 1CC3501A SA	RADIATION M ONITOR SKID	COMP COOLING W TR RAD	GENERAL ATO MIC	RM-80	AB21	1415.0 1521.0 236.0	H	A	CI		0245	00
REM 1CC3501B SB	RADIATION M ONITOR SKID	COMP COOLING W TR RAD	GENERAL ATO MIC	RM-80	AB21	1560.0 1521.0 236.0	H	A	CI		0246	00
3CC-V285SA-1	SOLENOID VA LVE	LATER	TARGET ROCK	793-014	AB21	1421.0 1540.0 236.0	H	A	CI		3588	00
3CC-V287SB-1	SOLENOID VA LVE	LATER	TARGET ROCK	793-014	AB21	1544.0 1533.0 237.0	H	A	CI		3589	00

SYSTEM # & NAME:CP0061-CONT.ATMOSPHREPRG/MKUP

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CP-B2SB-1	LIMIT SWITC H (1OF 2)	REMOTE INDICAT ION OF VALVE P OSITION IO	NAMCO	EA-180-3130 2	AB21	1430.0 1665.0 255.0	H	A	CI	*	2133	00
2CP-B2SB-1	PNEUMATIC O PERATOR	ACTUATE VALVE AND CONTROL PO SITION	BETTIS	N721C-SR60- 12	AB21	1430.0 1665.0 255.0	H	A	CI	*	2134	00
2CP-B2SB-1	SOLENOID VA LVE	CONTRL AIR PRE SSRE IN PNEUMA TIC OPER ER	ASCO	NP8321A6E	AB21	1430.0 1665.0 255.0	H	A	CI	*	2135	00
2CP-B2SB-1	LIMIT SWITC H (2OF 2)	REMOTE INDICAT ION OF VALVE P OSITION IO	NAMCO	EA-180-3230 2	AB21	1430.: 1665.: 255.0	H	A	CI	*	4168	00
2CP-B4SB- 1	LIMIT SWITC H (1OF 2)	REMOTE INDICAT ION OFVALVE PO SITION IO	NAMCO	EA-180-3130 2	AB21	1429.0 1664.0 255.0	H	A	CI	*	2139	00
2CP-B4SB- 1	LIMIT SWITC H (2OF 2)	REMOTE INDICAT ION OFVALVE PO SITION IO	NAMCO	EA-180-3230 2	AB21	1429.0 1664.0 255.0	H	A	CI	*	4170	00
2CP-B4SB-1	PNEUMATIC O PERATOR	ACTUATE VALVE AND CONTROL POSITION	BETTIS	NT920-SR-4- 12-S	AB21	1429.0 1664.0 255.0	H	A	CI	*	2140	00
2CP-B4SB-1	SOLENOID VA LVE	CONTROL AIR PR ESS FOR PNEUMA TIC OPER ER	ASCO	NP83166SE	AB21	1429.00 1664.00 255.0	H	A	CI	*	2141	00
2CP-B6SB-1	LIMIT SWITC H (1OF 2)	REMOTE INDICAT ION OFVALVE PO SITION IO	NAMCO	EA180-31302	AB21	1573.0 1718.0 244.0	H	A	CI	*	2145	00
2CP-B6SB-1	PNEUMATIC O PERATOR	ACTUATE VALVE AND CONTROL POSITION	BETTIS	N721C-SR60- 12	AB21	1573.0 1718.0 244.0	H	A	CI	*	2146	00
2CP-B6SB-1	SOLENOID VA LVE	CONTROL AIR PR ESS FOR PNEUMA TIC OPERATORER	ASCO	NP8321A6E	AB21	1573.00 1718.00 244.0	H	A	CI	*	2147	00
2CP-B6SB-1	LIMIT SWITC H (2OF 2)	REMOTE INDICAT ION OFVALVE PO SITION IO	NAMCO	EA-180-3230 2	AB21	1573.0 1718.0 244.0	H	A	CI	*	4172	00

TAGS INCLUDED: 2CP-B2SB-1 ----2CP-B6SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CP0061-CONT.ATMOSPHREPRG/MKUP

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z.	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CP-B8SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OFVALVE POSITION IO	NAMCO	EA-180-3130 2	AB21	1574.0 1718.0 244.0	H	A	CI	*	2151	00
2CP-B8SB-1	PNEUMATIC OPERATOR	ACTUATE VALVE AND CONTROL POSITION	BETTIS	MT320-SR-4-12-S	AB21	1574.0 1718.0 244.0	H	A	CI	*	2152	00
2CP-B8SB-1	SOLENOID VALVE	CONTROL AIR PRESS FOR PNEUMATIC OPERATORER	ASCO	NP-83166SE	AB21	1574.0 1718.0 244.0	H	A	CI	*	2153	00
2CP-B8SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OFVALVE POSITION IO	NAMCO	EA-180-3230 2	AB21	1574.0 1718.0 244.0	H	A	CI	*	4174	00

SYSTEM # & NAME:CB0125-CONT.VACUUM RELIEF

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
CB-D1SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OFDAMPER POSITION	NAMCO	EA-180	AB41	1396.0 1641.0 295.0	H	A	PRRM		1900	00
CB-D1SA-1	PNEUMATIC OPERATOR	HOLD DAMPER OM REQUIRED POSITION	BETTIS	CB-415SR	AB41	1396.0 1641.0 295.0	H	A	PRRM		1901	00
CB-D1SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB41	1396.0 1641.0 295.0	H	A	PRRM		1902	00
CB-D1SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1396.0 1641.0 295.0	H	A	PRRM		5043	00
CB-D2SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OFDAMPER POSITION	NAMCO	EA-180	AB41	1573.0 1686.0 295.0	H	A	PRRM		1903	00
CB-D2SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-415SR	AB41	1573.0 1686.0 295.0	H	A	PRRM		1904	00
CB-D2SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB41	1573.0 1686.0 295.0	H	A	PRRM		1905	00
CB-D2SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1573.0 1686.0 295.0	H	A	PRRM		5044	00
PDT 1CB7680A SA	PRESSURE TRANSMITTER	CONT OUTSIDE DIFF PRESS. A	GOULD	LATER	AB41	1470.0 1635.0 291.0	H	A	PRRM		0892	00
PDT 1CB7680B SB	PRESSURE TRANSMITTER	CONT OUTSIDE DIFF PRESS.B	GOULD	LATER	AB41	1564.0 1666.0 291.0	H	A	PRRM		0893	00
PS 1CB 7682A SA	PRESS. ELECT. SWITCH	LOW PRESSURE SIGNAL FOR ACCUMULATR TANK TK	LATER	LATER	AB41	1462.0 1634.0 295.0	H	A	PRRM		2118	00
PS 1CB 7682B SB	PRESS. ELEC. SWITCH	LOW PRESSURE SIGNAL FOR ACCUMULATR TANK	LATER	LATER	AB41	1575.0 1686.0 295.0	H	A	PRRM	*	2122	00

TAGS INCLUDED: CB-D1SA-1 ----PS 2CB 7682B SB
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CB0125-CONT.VACUUM RELIEF

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CB-B1SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF VALVE POSITION	NAMCO	EA-180-3130 2	AB41	1462.0 1634.0 295.0	H	A	PRRM	*	2115	00
2CB-B1SA-1	PNEUMTIC OPERATOR	ACTUATE VALVE AND CONTROL POSITION	BETTIS	NT-3169-SR2 -12	AB41	1462.0 1634.0 295.0	H	A	PRRM	*	2116	00
2CB-B1SA-1	SOLENOID VALVE	CONTROL AIR PRESSUREFOR PNEUMATIC OPER ER	ASCO	NP3316SE	AB41	1462.0 1634.0 295.0	H	A	PRRM	*	2117	00
2CB-B1SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180-3230 2	AB41	1462.0 1634.0 295.0	H	A	PRRM	*	3054	00
2CB-B2SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180-3230 2	AB41	1575.0 1686.0 295.0	H	A	PRRM	*	3055	00
2CB-B2SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF VALVE POSITION IO	NAMCO	EA180-31302	AB41	1575.0 1686.0 295.0	H	A	PRRM	*	2119	00
2CB-B2SB-1	PNEUMATI OPERATOR	ACTUATE VALVE AND CONTROL POSITION	BETTIS	NT-3168-SR2 -12	AB41	1575.0 1686.0 295.0	H	A	PRRM	*	2120	00
2CB-B2SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE PNEUMATIC OPER	ASCO	NP8316RE	AB41	1575.0 1686.0 295.0	H	A	PRRM	*	2121	00

SYSTEM # & NAME:CT0007-CONTAINMENT SPRAY

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
FT 1CT 7122A SA	FLOW TRANSM ITTER	CNMT SPRAY FLO W	ROSEMOUNT	1153DB5	AB21	1458.0 1627.0 240.0	H	A	CI		3965	00
FT 1CT 7122B SB	FLOW TRANSM ITTER	CNMT SPRAY FLO W	ROSEMOUNT	1153DB5	AB21	1459.0 1627.0 240.0	H	A	CI		3966	00
FT 1CT 7152 SB	FLOW TRANSM ITTER	CNMT SPRAY ADDITIVE FLO W	ROSEMOUNT	1153DB4	AB11	1528.0 1602.0 217.0	H	A	CI		0849	00
LIT 1CT7160A SA	LEVEL TRANS MITTER	CS CONT SUMP A LVL	TRNSAMERICA -DELAVAL	RE-36562	AB31	1435.0 1660.0 261.0	H	A	CI		4483	00
LIT 1CT7160B SB	LEVEL TRANS MITTER	CS CONT SUMP B LVL	TRNSAMERICA -DELAVEL	RE-36562	AB31	1565.0 1660.0 261.0	H	A	CI	*	0855	00
LIT 1CT7161A SA	LEVEL TRANS MITTER	CONTAINMENT WTR LEVEL (NARROW RANGE)	TRNSAMERICA -DELAVAL	RE-36562	AB31	1435.0 1660.0 261.0	H	A	CI		4484	00
LIT 1CT7161B SB	LEVEL TRANS MITTER	CONTAINMENT WTR LEVEL (NARROW RANGE)	TRNSAMERICA -DELAVEL	RE-36562	AB31	1565.0 1660.0 261.0	H	A	CI		0859	00
LIT 1CT7162A SA	LEVEL TRANS MITTER	CONTAINMENT WTR LEVEL (WIDE RANGE)	TRNSAMERICA -DELAVEL	RE-36562	AB31	1435.0 1660.0 261.0	H	A	CI	*	0867	00
LIT 1CT7162B SB	LEVEL TRANS MITTER	CONTAINMENT WTR LEVEL (WIDE RANGE)	TRNSAMERICA -DELAVEL	RE-36562	AB31	1565.0 1660.0 261.0	H	A	CI	*	0868	00
LT 1CT 7150 SA	LEVEL TRANS MITTER	CNMT SPRAY ADD ITIVE TANK LEV EL	ROSEMOUNT	1153DB4	AB11	1504.0 1611.0 216.0	H	A	CI	*	0846	00
PT 1CT 7131A SA	PRESSURE TR ANSMITTER	CNMT SPRAY PMP A DISCHARGE P RESS	ROSEMOUNT	1153GB8	AB31	1414.0 1630.0 261.0	H	A	CI		0837	00
PT 1CT 7131B SB	PRESSURE TR ANSMITTER	CNMT SPRAY PMP B DISCHARGE P RESS	ROSEMOUNT	1153GB8	AB31	1584.0 1622.0 261.0	H	A	CI		0838	00

TAGS INCLUDED: FT 1CT 7122A SA----P18-SB CT SP HT
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CT0007-CONTAINMENT SPRAY

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2CT-V145SB-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-00-15	AB11	1522.0 1603.0 219.0	H	A	CI		2892	00
2CT-V2SA-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-000	AB11	1451.0 1606.0 219.0	H	A	CI		2922	00
2CT-V21SA-1	MOTOR OPERATOR	ISOLATION VALVE	LIMITORQUE	SB-00	AB21	1466.0 1637.0 251.0	H	A	CI		2924	00
2CT-V25SA-1	MOTOR OPERATOR	INLET ON RWST 1X-SAB INLET FROM PUMP 1A-SA	LIMITORQUE	SMB-00	AB21	1432.0 1608.0 238.0	H	A	CI		2926	00
2CT-V3SB-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-000	AB11	1530.0 1606.0 219.0	H	A	CI		2928	00
2CT-V43SB-1	MOTOR OPERATOR	ISOLATION VALVE	LIMITORQUE	SB-00	AB21	1536.0 1637.0 251.0	H	A	CI		2930	00
2CT-V49SB-1	MOTOR OPERATOR	INLET ON RWST 1X-SAB INLET FROM PUMP 1B-SB	LIMITORQUE	SMB-00	AB21	1568.0 1609.0 238.0	H	A	CI		2932	00
2CT-V8SA-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-00-15	AB11	1526.0 1603.0 219.0	H	A	CI		2938	00
3CT-V85SA-1	MOTOR OPERATOR	CONN BETWEEN 3CT2-26SAB-1 & 3CT2-33SAB-1	LIMITORQUE	SMB-00-15	AB11	1519.0 1603.0 219.0	H	A	CI		3262	00
3CT-V88SB-1	MOTOR OPERATOR	CONN BETWEEN 3CT2-26SAB-1 & 3CT2-33SAB-1	LIMITORQUE	SMB-00-15	AB11	1515.0 1603.0 219.0	H	A	CI		3266	00
P1A-SA CT	CONT SPRAY PUMP MOTOR	DRIVER OF CONT. SPRAY PUMP	WESTINGHOUSE	LATER	AB01	1434.0 1564.0 190.0	H	A	CI		2107	00
P1B-SB CT	CONT SPRAY PUMP MOTOR	DRIVER OF CONT SPRAY PUMP	WESTING HOUSE	LATER	AB01	1565.0 1564.0 190.0	H	A	CI		3868	00

SYSTEM # & NAME:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AH-15(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB51	1614.0 1680.0 305.0	H	A	SS		1554	00
AH-15(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB51	1610.0 1663.0 305.0	H	A	SS		1556	00
AS 1CZ 7829A SA	ANALYSIS SWITCH	CNTL RM NRML O AI CHLORINE DET	ANACON	LATER	AB51	1620.0 1671.0 310.0	H	A	SS		0974	00
AS 1CZ 78293 SB	ANALYSIS SWITCH	CNTL RM NRML O A1 CHLORINE DET	ANACON	LATER	AB51	1618.0 1669.0 310.0	H	A	SS		0973	00
CP EHC24 1X-SA RAB	CONTROL PANEL	LATER	BRASCH	LATER	AB51	1602.0 1669.0 305.0	H	A	SS		2323	00
CP EHC26 1X-SB RAB	CONTROL PANEL	LATER	BRASCH	LATER	AB51	1621.0 1660.0 305.0	H	A	SS		2324	00
CP E6 1B SB F D ET	FIRE DET.PANEL	LATER	BRASCH	LATER	AB31	1582.0 1740.0 261.0	H	A	SS		2332	00
CP-EHC-72(1A-SA)	HEATER CONTROL PANEL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	XS-78-09579	AB51	1627.0 1692.0 305.0	H	A	SS		2006	00
CP-EHC-72(1B-SB)	HEATER CONTROL PANEL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	XS-78-09579	AB51	1631.0 1692.0 305.0	H	A	SS		2008	00
CZ-D1SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NH-95	AB51	1606.0 1674.0 314.0	H	A	SS		1930	00
CZ-D1SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1606.0 1674.0 314.0	H	A	SS		1931	00
CZ-D1SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1606.0 1674.0 314.0	H	A	SS		5121	00

TAGS INCLUDED: AH-15(1A-SA) ----CZ-D1SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
CZ-D10SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH-91	AB51	1641.0 1667.0 315.0	H	A	SS		1932	00
CZ-D10SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1641.0 1667.0 315.0	H	A	SS		1933	00
CZ-D10SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1641.0 1667.0 315.0	H	A	SS		5120	00
CZ-D19SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH-96	AB51	1626.0 1657.0 305.0	H	A	SS		1941	00
CZ-D19SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1626.0 1657.0 305.0	H	A	SS		1942	00
CZ-D19SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1626.0 1657.0 305.0	H	A	SS		5119	00
CZ-D2SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH-96	AB51	1606.0 1667.0 314.0	H	A	SS		1943	00
CZ-D2SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1606.0 1667.0 314.0	H	A	SS		1944	00
CZ-D2SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1606.0 1667.0 314.0	H	A	SS		5114	00
CZ-D20SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH-96	AB51	1626.0 1655.0 305.0	H	A	SS		1945	00
CZ-D20SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1626.0 1655.0 305.0	H	A	SS		1946	00
CZ-D20SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1626.0 1655.0 305.0	H	A	SS		5115	00

TAGS INCLUDED: CZ-D10SB-1 ----CZ-D20SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
CZ-D23SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MM-96	AB51	1645.0 1655.0 305.0	H	A	SS		1947	00
CZ-D23SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF POSITION	NAMCO	EA-180	AB51	1645.0 1655.0 305.0	H	A	SS		1948	00
CZ-D23SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1645.0 1655.0 305.0	H	A	SS		5116	00
CZ-D24SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MM-95	AB51	1645.0 1653.0 305.0	H	A	SS		1949	00
CZ-D24SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1645.0 1653.0 305.0	H	A	SS		1950	00
CZ-D24SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1645.0 1653.0 305.0	H	A	SS		5117	00
CZ-D9SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MM-91	AB51	1638.0 1672.0 314.0	H	A	SS		1955	00
CZ-D9SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1638.0 1672.0 314.0	H	A	SS		1956	00
CZ-D9SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB51	1638.0 1672.0 314.0	H	A	SS		5118	00
~~E/I 1CZ3504A SA~~	~~VOLT OR ELEC DIRECT IN~~	~~CNTL RM NORM OUTSIDE AIR INTAKE RAD~~	~~GENERAL ATOMIC~~	~~LATER~~	~~AB51~~	~~1594.0 1669.0 309.0~~	~~H~~	~~A~~	~~SS~~		~~1179~~	~~00~~
E/I 1CZ 3504A SA	CURRENT TRANSMITTER	LATER	GENERAL ATOMIC	LATER	AB51	1594.0 1663.0 305.0	H	A	SS		4902	00
E/I-1CZ-3504B-SB	CURRENT TRANSMITTER	LATER	GENERAL ATOMIC	LATER	AB51	1606.0 1696.0 305.0	H	A	SS		4903	00

TAGS INCLUDED: CZ-D23SA-1 ----E/I-1CZ-3504B-S
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
EHC-24(1X-SA)	ELECTRIC HEATING COIL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	LATER	AB51	1614.0 1680.0 305.0	H	A	SS		1997	00
EHC-26(1X-SB)	ELECTRIC HEATING COIL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	LATER	AB51	1611.0 1662.0 305.0	H	A	SS		1999	00
EHC-72(1A-SA)	ELECTRIC HEATING COIL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	XS-78-09579	AB51	1627.0 1692.0 305.0	H	A	SS		2005	00
EHC-72(1B-SB)	ELECTRIC HEATING COIL	MAINTAIN REL HUMIDITY & TEMP OF AIR	BRASCH	XS-78-09579	AB51	1631.0 1692.0 305.0	H	A	SS		2007	00
FT 1CZ 7817A SA	FLOW TRANSMITTER	POST ACCIDENT OA1 FLOW	GOULD	LATER	AB51	1626.0 1655.0 310.0	H	A	SS		0908	00
FT 1CZ 7817B SB	FLOW TRANSMITTER	POST ACCIDENT OA1 FLOW	GOULD	LATER	AB51	1626.0 1665.0 310.0	H	A	SS		0907	00
FT 1CZ 7819A SA	FLOW TRANSMITTER	EMER FLTR FAN R2 (1A-SA) DISCH FLOW	GOULD	LATER	AB51	1630.0 1696.0 317.0	H	A	SS		0915	00
FT 1CZ 7819B SB	FLOW TRANSMITTER	EMER FLTR FAN R2 (1B-SB) DISCH FLOW	GOULD	LATER	AB51	1637.0 1694.0 310.0	H	A	SS		0916	00
PDT 1CZ7823A SA	PRESSURE TRANSMITTER	CNTL RM EMER FLTR HEPAFLTR DIFF PRES	ROSEMOUNT	1153D	AB51	1623.0 1687.0 308.0	H	A	SS		0936	00
PDT 1CZ7827A SA	PRESSURE TRANSMITTER	CNTL RM EMER FLTR OVERALL DIFF PRES	ROSEMOUNT	1153D	AB51	1638.0 1687.0 308.0	H	A	SS		0961	00
R-2 (1A-SA)	DOOR SWITCH (1 OF 4)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180-1130 2	AB51	1620.0 1693.0 305.0	H	A	SS		2060	00
R-2 (1A-SA)	MOTOR	DRIVE FAN	RELIANCE ELEC. CO	RH INSULATION	AB51	1620.0 1693.0 305.0	H	A	SS		2061	00

TAGS INCLUDED: EHC-24(1X-SA) ----R-2 (1A-SA)
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CZDC64-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
R-2 (1A-SA)	ELECTRO-HYD R OPERATOR	OPERATE INLET VANES REGULATE FAN VOLUME	ITT	MH-94	AB51	1620.0 1693.0 305.0	H	A	SS		2062	00
R-2 (1A-SA)	DOOR SWITCH (2 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1620.0 1693.0 305.0	H	A	SS		5125	00
R-2 (1A-SA)	DOOR SWITCH (3 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1620.0 1693.0 305.0	H	A	SS		5126	00
R-2 (1A-SA)	DOOR SWITCH (4 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1620.0 1693.0 305.0	H	A	SS		5127	00
R-2 (1B-SB)	DOOR SWITCH (1 OF 4)	REMOTE INDICAT ION OF DOOR PO SITION	NAMCO	EA-180-1130 2	AB51	1634.0 1693.0 305.0	H	A	SS		2063	00
R-2 (1B-SB)	MOTOR	DRIVE FAN	RELIANCE E LECTRIC CO	RM INSULATI ON	AB51	1634.0 1693.0 305.0	H	A	SS		2064	00
R-2 (1B-SB)	ELECTRO-HYD R OPERATOR	OPERATE INLET VANES-REGULATE FAN VOLUME	ITT	MH-94	AB51	1634.0 1693.0 305.0	H	A	SS		2065	00
R-2 (1B-SB)	DOOR SWITCH (2 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1634.0 1693.0 305.0	H	A	SS		5122	00
R-2 (1B-SB)	DOOR SWITCH (3 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1634.0 1693.0 305.0	H	A	SS		5123	00
R-2 (1B-SB)	DOOR SWITCH (4 OF 4)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180-1130 2	AB51	1634.0 1693.0 305.0	H	A	SS		5124	00
RE 1CZ 35048 SA	RADIATION P RIMARY ELEM	CNTL RM NORM O UTSDEAIR INTAK E RAD	GENERAL ATOMIC	LATER	AB51	1599.0 1681.0 309.0	H	A	SS		0249	00
RE 1CZ 35049 SB	RADIATION P RIMARY ELEM	CNTL RM NORM O UTSDEAIR INTAK E RAD	GENERAL ATO MIC	LATER	AB51	1608.0 1682.0 308.5	H	A	SS		0443	00

TAGS INCLUDED: R-2 (1A-SA) ----RE 1CZ 35048 SB
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
RM 1CZ 3504A SA	MICROPROCES SOR	CNTL RM NORM O UTSDEAIR INTAK E RAD	GENERAL ATOMIC	LATER	AB51	1594.0 1669.0 309.0	H	A	SS		0250	00
RM 1CZ 3504B SP	MICROPROCES SOR	CNTL RM NORM O UTSDEAIR INTAK E RAD	GENERAL ATOMIC	LATER	AB51	1604.0 1694.0 309.0	H	A	SS		0251	00
TE 1CZ 7821A SA	TEMPERATURE PRIMARY EL	CNTL RM EMER F LTR EHC INLET TEMP	CONAX	2310-9458-0 1	AB51	1634.0 1691.0 310.0	H	A	SS		0919	00
TE 1CZ 7824A SA	TEMPERATURE PRIMARY EL	CNTL RM EMER F LTR CHAR FLTR IN TEMP	CONAX	2310-9458-0 1	AB51	1619.0 1691.0 310.0	H	A	SS		0942	00
3CZ-B1SA-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SM3-00-10	AB51	1595.0 1675.0 305.0	H	A	SS		2177	00
3CZ-B17SA-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SM3-00-15	AB51	1600.00 1684.00 305.0	H	A	SS		2189	00
3CZ-B18SB-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SM3-00-15	AB51	1600.0 1680.0 305.0	H	A	SS		2191	00
3CZ-B19SA-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SMC-04-5	AB51	1621.00 1677.00 305.0	H	A	SS		2193	00
3CZ-B2SB-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SM3-00-10	AB51	1595.0 1668.0 305.0	H	A	SS		2195	00
3CZ-B20SB-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SMC-04-5	AB51	1630.0 1677.0 305.0	H	A	SS		2197	00
3CZ-B21SA-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SMC-04-5	AB51	1630.0 1677.0 305.0	H	A	SS		2199	00
3CZ-B22SB-1	MOTOR OPERA TOR	ACTUATE VALVE AND CONTROL PO SITION	LIMITORQUE	SMC-04-5	AB51	1644.0 1690.0 305.0	H	A	SS		2201	00

TAGS INCLUDED: RM 1CZ 3504A SA----3CZ-B23SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # [illegible]E:CZ0064-CONTROL ROOM HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CZ-B23SA-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SMC-04-5	AB51	1625.00 1693.00 305.0	H	A	SS		2203	00
3CZ-B24SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-04-5	AB51	1630.0 1693.0 305.0	H	A	SS		2205	00
3CZ-B25SA-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-15	AB51	1609.0 1683.0 305.0	H	A	SS		2207	00
3CZ-B26SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-15	AB51	1605.0 1660.0 305.0	H	A	SS		2209	00
3CZ-B32SA-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-15	AB51	1600.00 1695.00 305.0	H	A	SS		2213	00
3CZ-B33SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-005-15	AB51	1600.00 1690.00 305.0	H	A	SS		2215	00
3CZ-B5SA--1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-5	AB51	1604.0 1696.0 305.0	H	A	SS		2222	00
3CZ-B6SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-5	AB51	1607.00 1696.00 305.0	H	A	SS		2224	00
3CZ-B7SA-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-5	AB51	1596.0 1655.0 305.0	H	A	SS		2226	00
3CZ-B8SB-1	MOTOR OPERATOR	VALVE AND CONTROL POSITION	LIMITORQUE	SM3-00-5	AB51	1596.00 1653.00 305.0	H	A	SS		2229	00
TE ICZ 7835A SA	TEMP PRIMARY EL	CNTRL RM AH-15 (1A-SA) EHC EXH TEMP	WEED INSTRUMENTS	E4B2506-(L) AS	AB51	1613.0 1617.0 319.0	H	A	SS		0979	00
TE ICZ 7835B SB	TEMP PRIMARY EL	CNTRL RM AH-15 (1B-SB) EHC EXH TEMP	WEED INSTRUMENTS	E4B2506(L) AS	AB51	1609.0 1660.0 319.0	H	A	SS		0980	00
TE ICZ 7821A SB	TEMP PRIMARY ELEMENT	CONTRL RM EMER FLTR EHC INLET TEMP.	CONAX	2310-9458-01	AB51	1634.0 1692.0 310.0	H	A	SS		0920	00
TE ICZ 7824B SB	TEMP PRIMARY ELEMENT	CONTRL RM EMER FLTR EHC INLET TEMP	CONAX	2310-9458-01	AB51	1619.0 1692.0 310.0	H	A	SS		0943	00

SYSTEM # & NAME: 0051-DC POWER DISTR.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
125V DC MCC DP-1A2	DC DISTRIBUTIONPANEL	DISTRIBUTES DC POWER	GOULD	LATER	AB41	1461.0 1628.0 286.0	H	A	SS		2661	00
125V DC MCC DP-1B2	D.C.DISTRIBUTION PANEL	DISTRIBUTES DC POWER	GOULD	LATER	AB41	1537.0 1628.0 286.0	H	A	SS		2662	00

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-B2SA-1	LIMIT SWITCH (2 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1567.0 1520.0 245.0	H	A	SS		5006	00
3CH-B1SB-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SERCH FOR MAIN TO (NNS)	NAMCO	EA180-11302	AB21	1572.0 1519.0 245.0	H	A	SS		3243	00
3CH-B1SB-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCH FOR MAIN TO (NNS)	NAMCO	EA180-11302	AB21	1572.0 1519.0 245.0	H	A	SS		5011	00
3CH-B1SB-1	SOL.VALVE	LATER	ASCO	NP8320A175E	AB21	1484.0 1521.0 248.0	H	A	SS		5012	00
3CH-B2SA-1	SOLENOID VALVE	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1574.0 1519.0 245.0	H	A	SS		3244	00
3CH-B2SA-1	LIMIT SWITCH (1 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1574.0 1519.0 245.0	H	A	SS		3245	00
3CH-B2SA-1	LIMIT SWITCH (2 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1574.0 1519.0 245.0	H	A	SS		5001	00
3CH-B3SA-1	SOLENOID VALVE	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1574.0 1519.0 245.0	H	A	SS		3246	00
3CH-B3SA-1	LIMIT SWITCH (1 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1574.0 1519.0 245.0	H	A	SS		3247	00
3CH-B3SA-1	LIMIT SWITCH (2 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1574.0 1519.0 245.0	H	A	SS		5010	00
3CH-B4SB-1	SOLENOID VALVE	ESSENTIAL SERCH FOR MAIN TO (NNS)	ASCO	NP8320A175E	AB21	1584.0 1521.0 245.0	H	A	SS		3248	00
3CH-B4SB-1	LIMIT SWITCH (1 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1584.0 1521.0 245.0	H	A	SS		3249	00

TAGS INCLUDED: CX-B2SB-1 ----3CH-B4SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CH0063-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CH-B4SB-1	LIMIT SWITCH (2 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1584.0 1521.0 245.0	H	A	SS		5009	00
3CH-V128SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1648.0 1689.0 305.0	H	A	SS		3252	00
3CH-V128SA-1	LIMIT SWITCH (1 of 2)	LATER	NAMCO	EA-180-[illegible]02	AB51	1648.0 1689.0 305.0	H	A	SS		3253	00
3CH-V129SA-1	LIMIT SWITCH (2 of 2)	LATER	NAMCO	EA-180-11302	AB51	↓	H	A	SS		5144	00
3CH-V129SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1648.0 1687.0 305.0	H	A	SS		3254	00
3CH-V129SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA180-11302	AB51	1648.0 1687.0 305.0	H	A	SS		3255	00
3CH-V129SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB51	1648.0 1687.0 305.0	H	A	SS		5109	00
3CH-V130SA-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SERCH FOR AH-17 (1-4A-SA)	NAMCO	EA-180	AB51	1648.0 1687.0 305.0	H	A	SS		3256	00
3CH-V130SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR AH-17 (1-4A-SA)	NAMCO	EA-180	AB51	1648.0 1687.0 305.0	H	A	SS		5107	00
3CH-V85SB-1	SOLENOID VALVE	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	ASCO	NP8320A175E	AB51	1648.0 1665.0 305.0	H	A	SS		3258	00
3CH-V85SB-1	LIMIT SWITCH (1 OF 2)	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	NAMCO	EA-180-1130 2	AB51	1648.0 1665.0 305.0	H	A	SS		3259	00
3CH-V85SB-1	LIMIT SWITCH (2 OF 2)	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	NAMCO	EA-180-1130 2	AB51	1648.0 1665.0 305.0	H	A	SS		5108	00
3CH-V86SA-1	SOLENOID VALVE	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	ASCO	NP8320A175E	AB51	1648.0 1667.0 305.0	H	A	SS		3260	00

SYSTEM # & NAME:CH0063-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CH-V86SA-1	LIMIT SWITCH (1 OF 2)	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	NAMCO	EA180-11302	AB51	1648.0 1667.0 305.0	H	A	SS		3261	00
3CH-V86SA-1	LIMIT SWITCH (2 OF 2)	ISOL VALVE FOR TEMPORARY PIPING TO UNIT	NAMCO	EA-180-11302	AB51	1648.0 1667.0 305.0	H	A	SS		5106	00
3CX-B1SB-1	SOLENOID VALVE	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1569.0 1520.0 245.0	H	A	SS		3266	00
3CX-B1SB-1	LIMIT SWITCH (1 OF 2)	ESSENTAIL SERCX FOR MAIN TO NNS UNITS	NAMCO	EA180-11302	AB21	1569.0 1520.0 245.0	H	A	SS		3267	00
3CX-B1SB-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR MAIN TO NNS UNITS	NAMCO	EA180-11302	AB21	1569.0 1520.0 245.0	H	A	SS		5008	00
3CX-B2SA-1	SOLENOID VALVE(1 OF 2)	ISOLATION VALVE	ASCO	NP8320B175E	AB21	1567.0 1520.0 245.0	H	A	SS		3268	00
3CX-B2SA-1	LIMIT SWITCH (1 OF 2)	ISOLATION VALVE	NAMCO	EA-180-11302	AB21	1567.0 1520.0 245.0	H	A	SS		3269	00
3CX-B2SA-1	SOLENOID VALVE(2 OF 2)	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1567.0 1520.0 245.0	H	A	SS		5007	00
3CX-B3SB-1	SOLENOID VALVE(1 OF 2)	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1582.0 1535.0 245.0	H	A	SS		3270	00
3CX-B3SB-1	LIMIT SWITCH (1 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1582.0 1535.0 245.0	H	A	SS		3271	00
3CX-B3SB-1	LIMIT SWITCH (2 OF 2)	ISOLATION VALVE	NAMCO	EA180-11302	AB21	1582.0 1535.0 245.0	H	A	SS		5004	00
3CX-B3SB-1	SOLENOID VALVE(2 OF 2)	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1582.0 1535.0 245.0	H	A	SS		5005	00

TAGS INCLUDED: 3CH-V86SA-1 ----3CX-B3SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-B4SA-1	SOLENOID VALVE	ISOLATION VALVE	ASCO	NP8320A175E	AB21	1582.0 1537.0 245.0	H	A	SS		3272	00
3CX-B4SA-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SERCX FOR MAIN	NAMCO	EA180-11302	AB21	1582.0 1537.0 245.0	H	A	SS		3273	00
3CX-B4SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR MAIN	NAMCO	EA180-11302	AB21	1582.0 1537.0 245.0	H	A	SS		5000	00
3CX-V111SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1647.0 1654.0 307.0	H	A	SS		3276	00
3CX-V111SA-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA-180-11302	AB51	1647.0 1654.0 307.0	H	A	SS		3277	00
3CX-V111SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-11302	AB51	1647.0 1654.0 307.0	H	A	SS		5113	00
3CX-V113SA-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SERCX FOR AH-15 (1A-SA)	NAMCO	EA-180	AB51	1607.0 1687.0 305.0	H	A	SS		3278	00
3CX-V113SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR AH-15(1A-SA)	NAMCO	EA-180	AB51	1607.0 1687.0 305.0	H	A	SS		5112	00
3CX-V114SA-1	SOLENOID VALVE	ESSENTIAL SERCX FOR AH-15(2A-SA)	ASCO	NP8320A175E	AB51	1648.0 1681.0 305.0	H	A	SS		3280	00
3CX-V114SA-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SERCX FOR AH-15(2A-SA)	NAMCO	EA-180-11302	AB51	1648.0 1681.0 305.0	H	A	SS		3281	00
3CX-V114SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR AH-15(2A-SA)	NAMCO	EA-180-11302	AB51	1648.0 1681.0 305.0	H	A	SS		5111	00
3CX-V115SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1648.0 1683.0 305.0	H	A	SS		3282	00

TAGS INCLUDED: 3CX-B4SA-1 ----3CX-V115SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-V115SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA-180-1130 2	AB51	1648.0 1683.0 305.0	H	A	SS		3283	00
3CX-V115SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB51	1648.0 1683.0 305.0	H	A	SS		5110	00
3CX-V122SA-1	SOLENOID VALVE	ESSENTIAL SER CX FOR AH-24(1X-SA)	ASCO	NP8320A175E	AB31	1447.0 1626.0 264.0	H	A	SS		3286	00
3CX-V122SA-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SER CX FOR AH-24(1X-SA)	NAMCO	EA180-11302	AB31	1447.0 1626.0 264.0	H	A	SS		3287	00
3CX-V122SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-24 (1X-SA)	NAMCO	EA180-11302	AB31	1447.0 1626.0 264.0	H	A	SS		5002	00
3CX-V243SB-1	SOLENOID VALVE	ESSENTIAL SER CX FOR AH-8 (1X-SB)	ASCO	NP8320A175E	AB21	1607.0 1579.0 250.0	H	A	SS		3290	00
3CX-V243SB-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SER CX FOR AH-8 (1X-SB)	NAMCO	EA180-11302	AB21	1607.0 1579.0 250.0	H	A	SS		3291	00
3CX-V243SB-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-8 (1X-SB)	NAMCO	EA180-11320	AB21	1607.0 1579.0 250.0	H	A	SS		4999	00
3CX-V244SB-1	SOLENOID VALVE	ESSENTIAL SER CX FOR AH-25(1X-SB)	ASCO	NP8320A175E	AB31	1546.0 1626.0 263.0	H	A	SS		3292	00
3CX-V244SB-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SER CX FOR AH-25(1X-SB)	NAMCO	EA-180-1130 2	AB31	1546.0 1626.0 263.0	H	A	SS		3293	00
3CX-V244SB-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-25 (1X-SB)	NAMCO	EA-180-1130 2	AB31	1546.0 1626.0 263.0	H	A	SS		5132	00
3CX-V245SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB31	1550.0 1762.0 265.0	H	A	SS		3296	00

TAGS INCLUDED: 3CX-V115SB-1 ----3CX-V245SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-V245SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA180-11302	AB31	1550.0 1762.0 265.0	H	A	SS		3295	00
3CX-V245SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA180-11302	AB31	1550.0 1762.0 265.0	H	A	SS		5003	00
3CX-V63SB-1	SOLENOID VALVE	ESSENTIAL SER CX FOR AH-11(1B-SB)	ASCO	NP8320A175E	AB21	1489.0 1606.0 239.0	H	A	SS		3304	00
3CX-V63SB-1	LIMIT SWITCH (10F 2)	ESSENTIAL SER CX FOR AH-11(1B-SB)	NAMCO	EA-180-1130 2	AB21	1489.0 1606.0 239.0	H	A	SS		3305	00
3CX-V63SB-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-11 (1B-SB)	NAMCO	EA-180-1130 2	AB21	1489.0 1606.0 239.0	H	A	SS		5075	00
3CX-V83SA-1	SOLENOID VALVE	ESSENTIAL SER CX FOR AH-11 (1A-SA)	ASCO	NP8320A175E	AB21	1471.0 1620.0 240.0	H	A	SS		3306	00
3CX-V83SA-1	LIMIT SWITCH(1 OF 2)	ESSENTIAL SER CX FOR AH-11 (1A-SA)	NAMCO	EA-180-1130 2	AB21	1471.0 1620.0 240.0	H	A	SS		3307	00
3CX-V83SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-11 (1A-SA)	NAMCO	EA-180-1130 2	AB21	1471.0 1620.0 240.0	H	A	SS		5076	00
3CX-W10SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1453.0 1546.0 240.0	H	A	SS		3310	00
3CX-W12SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1522.0 1609.0 260.0	H	A	SS		3312	00
3CX-W13SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1515.0 1609.0 240.0	H	A	SS		3314	00
3CX-W14SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1544.0 1547.0 240.0	H	A	SS		3316	00

TAGS INCLUDED: 3CX-V245SB-1 ----3CX-W14SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-W15SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1636.0 1667.0 240.0	H	A	SS		3318	00
3CX-W16SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB41	1561.0 1635.0 286.0	H	A	SS		3320	00
3CX-W17SA-1	MOTOR OPERATOR	ESSENTIAL SERCX FOR AH-15 (1A-SA)	ITT HANNEL DAHL/CONOFL	NH91K4002F1 - L220	AB51	1605.00 1686.00 305.0	H	A	SS		3322	00
3CX-W17SA-1	LIMIT SWITCH (1OF 2)	ESSENTIAL SERCX FOR AH-15 (1A-SA)	ITT HANNEL DAHL/CONOFL	LATER	AB51	1607.0 1687.0 305.0	H	A	SS		3323	00
3CX-W17SA-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SERCX FOR AH-15 (1A-SA)	ITT HANNEL DAHL/CONOFL	LATER	AB51	1607.0 1687.0 305.0	H	A	SS		3105	00
3CX-W18SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1626.0 1683.0 305.0	H	A	SS		3324	00
3CX-W18SA-1	LIMIT SWITCH	LATER	NAMCO	LATER	AB51	1626.0 1683.0 305.0	H	A	SS		3325	00
3CX-W2SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB11	1434.0 1634.0 218.0	H	A	SS		3328	00
3CX-W21SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB01	1565.0 1612.0 192.0	H	A	SS		3332	00
3CX-W22SB-1	SOLENOID VALVE	ESSENTIAL SERCX FOR AH-12 (1A-SA)&	ASCO	NP8320A175E	AB41	1458.0 1626.0 286.0	H	A	SS		3334	00
3CX-W23SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB41	1561.0 1627.0 286.0	H	A	SS		3336	00
3CX-W24SB-1	MOTOR OPERATOR	ESSENTIAL SERCX FOR AH-15 (1B-SB)	ITT HANNEL DAHL/CONOFL	NH91K4002F1 -L220	AB51	1607.0 1652.0 305.0	H	A	SS		3338	00

TAGS INCLUDED: 3CX-W15SA-1 ----3CX-W24SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CX0145-ESS.SER.CHILLDWATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3CX-W24SB-1	LIMIT SWITCH (1 OF 2)	ESSENTIAL SER CX FOR AH-15 (1B-SB)	ITT HANNEL DAHL/CONOFL	LATER	AB51	1607.0 1652.0 305.0	H	A	SS		3339	00
3CX-W24SR-1	LIMIT SWITCH (2 OF 2)	ESSENTIAL SER CX FOR AH-15 (1B-SB)	ITT HANNEL DAHL/CONOFL	LATER	AB51	1607.0 1652.0 305.0	H	A	SS		5106	00
3CX-W25SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB51	1624.0 1652.0 305.0	H	A	SS		3340	00
3CX-W3SB-1	SOLENOID VALVE	LATER	ASCO	BY FIELD	AB08	1565.0 1612.0 192.0	H	A	SS		3346	00
3CX-W32SA-1	SOL. VALVE	LATER	ASCO	NP8320B175E	AB31	1565.0 1660.0 261.0	H	A	SS		3348	00
3CX-W34SA-1	SOLENOID VALVE	LATER	ASCO	NP-8320B175E	AB51	1571.0 1612.0 305.0	H	A	SS		2286	01
3CX-W4SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB11	1567.0 1639.0 217.0	H	A	SS		3351	00
3CX-W5SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1445.0 1610.0 240.0	H	A	SS		3353	00
3CX-W7SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1417.0 1547.0 240.0	H	A	SS		3355	00
3CX-W8SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1506.0 1579.0 250.0	H	A	SS		3357	00
3CX-W9SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB21	1519.0 1546.0 240.0	H	A	SS		3359	00

SYSTEM # & NAME:FPC071-FIRE PROTECT.

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2FP-V44SA-1	SOLENOID VALVE	FAIL CLOSE	ASCO	NP8320A175E	AB21	1451.0 1648.0 241.0	H	A	SS	*	2940	00
2FP-V44SA-1	LIMIT SWITCH (1OF 2)	FAIL CLOSE	NAMCO	EA-180-1130 2	AB21	1451.0 1648.0 241.0	H	A	SS	*	2941	00
2FP-V44SA-1	LIMIT SWITCH (2 OF 2)	FAIL CLOSE	NAMCO	EA-180-1130 2	AB21	1451.0 1648.0 241.0	H	A	SS	*	5087	00
2FP-V45SA-1	SOLENOID VALVE	FAIL CLOSE	ASCO	NP8320A175E	AB21	1482.0 1629.0 255.0	H	A	SS	*	2942	00
2FP-V45SA-1	LIMIT SWITCH (1OF 2)	FAIL CLOSE	NAMCO	EA180-11302	AB21	1482.0 1629.0 255.0	H	A	SS	*	2943	00
2FP-V45SA-1	LIMIT SWITCH (2 OF 2)	FAIL CLOSE	NAMCO	EA-180-1130 2	AB21	1482.0 1629.0 255.0	H	A	SS	*	5086	00

SYSTEM # & NAME:FL0147-FUEL HNDL.BLDGHVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
TE 1AV 6537A-SA	THERMOCOUPLE	FHB AH-17 SA SPENT FUEL POOL PMP AREA	WEED INSTRUMENTCO	E43250-2A2	FH21	1639.0 1792.0 236.0	H	A	SS		0626	00
TE 1AV 6537A1 SA	THERMOCOUPLE	FHB AH-17 SA SPENT FUEL POOL PMP AREA	WEED INSTRUMENTCO	E43250G-2A2	FH21	1659.0 1792.0 236.0	H	A	SS		0628	00
TE 1AV 6537B SB	THERMOCOUPLE	FHB AH-17 SB SPENT FUEL POOL PMP AREA	WEED INSTRUMENTCO	E43250G-2A2	FH21	1641.0 1792.0 236.0	H	A	SS		0629	00
TE 1AV 6537B1 SB	THERMOCOUPLE	FHB AH-17 SB SPENT FUEL POOL PMP AREA	WEED INSTRUMENTCO	E43250G-2A2	FH21	1661.0 1792.0 236.0	H	A	SS		0627	00

SYSTEM # & NAME:IA0018-INSTRUMENT AIR

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2IA-V34SA-1	SOLENOID VALVE	ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13	PARKER HANNIFIN	H232-HC-50	AB21	1470.0 1636.0 236.0	H	A	CI	*	2974	00
2IA-V34SA-1	LIMIT SWITCH (1OF 2)	ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13	NAMCO	02600X-2	AB21	1470.0 1636.0 236.0	H	A	CI	*	2975	00
2IA-V34SA-1	LIMIT SWITCH (2 OF 2)	ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13	NAMCO	02600X-2SR	AB21	1470.0 1636.0 236.0	H	A	CI	*	5085	00

SYSTEM # & NAME:LT0000-LEAK RATE TESTING

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
REM 1LT3502A SA	RADIATION M ONITOR SKID	CONTAINMENT LE AK DET SYS R AD	GENERAL ATO MIC	LATER	AB21	1453.0 1624.0 236.0	H	A	PRRM		0247	00
REM 1LT3502B SB	RADIATION M ONITOR SKID	CONTAINMENT LE AK DET SYS R AD	GENERAL ATO MIC	LATER	AB21	1547.0 1624.0 236.0	H	A	PRRM		0248	00

SYSTEM # & NAME:MS000R-MAIN STEAM

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3MS-V17SAB-1	SOLENOID VALVE (1 OF 2	LATER	ASCO	NP8320A175E	AB21	1515.0 1520.0 238.0	H	A	CI		3088	00
3MS-V17SAB-1	LIMIT SWITCH (1OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1520.0 238.0	H	A	CI		3089	00
3MS-V17SAB-1	SOLENOID VALVE(2 OF 2)	LATER	ASCO	NP8320A175E	AB21	1515.0 1520.0 238.0	H	A	CI		5065	00
3MS-V17SAB-1	LIMIT SWITCH (2 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1520.0 238.0	H	A	CI		5067	00
3MS-V17SAB-1	LIMIT SWITCH (3 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1520.0 238.0	H	A	CI		5068	00
3MS-V17SAB-1	LIMIT SWITCH (4 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1520.0 238.0	H	A	CI		5069	00
3MS-V18SAB-1	SOLENOID VALVE(1 OF 2)	LATER	ASCO	NP8320A175E	AB21	1515.0 1528.0 238.0	H	A	CI		3090	00
3MS-V18SAB-1	LIMIT SWITCH (1OF 2)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1528.0 238.0	H	A	CI		3091	00
3MS-V18SAB-1	SOLENOID VALVE(2 OF 2)	LATER	ASCO	NP8320A175E	AB21	1515.0 1528.0 238.0	H	A	CI		5066	00
3MS-V18SAB-1	LIMIT SWITCH (2 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1528.0 238.0	H	A	CI		5070	00
3MS-V18SAB-1	LIMIT SWITCH (3 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1528.0 238.0	H	A	CI		5071	00
3MS-V18SAB-1	LIMIT SWITCH (4 OF 4)	LATER	NAMCO	EA-180-1130 2	AB21	1515.0 1528.0 238.0	H	A	CI		5072	00

SYSTEM # & NAME:MD0024-MISC. DRAINS

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2MD-V77SB-1	MOTOR OPERATOR	LATER	LIMITORQUE	S93-000	AB11	1558.0 1656.0 230.0	H	A	SS	*	2978	00

SYSTEM # & NAME:CRCU26-RAD.MONITORING

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
E/I 1CR 3561A S A	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1421.0 1675.0 261.0	H	A	PRRM		4896	00
E/I 1CR 3561B S B	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1567.0 1660.0 261.0	H	A	PRRM		4897	00
E/I 1CR 3561C S A	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1439.0 1640.0 261.0	H	A	PRRM		4898	00
E/I 1CR 3561D S B	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1579.0 1678.0 261.0	H	A	PRRM		4899	00
E/I 1CR 3563A S A	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1418.0 1657.0 261.0	H	A	PRRM		4900	00
E/I 1CR 3563B S B	CURRENT TRANSMITTER J	LATER	GENERAL ATOMIC	LATER	AB31	1582.0 1658.0 261.0	H	A	PRRM		4901	00
E/I*1FR3565A SA	CURRENT TRANSMITTER J	SPENT FUEL POOL (SOUTH) AREA RAD MONITOR	GENERAL ATOMIC	LATER	AB51	1594.0 1669.0 309.0	H	A	PRRM		1180	00
ISOLATION BOX 5 -1	LATER	LATER	LATER	LATER	AB51	1628.0 1654.0 305.0	H	A	PRRM		4088	00
JB RM 1CR-3561A -SA	SAFETY FUSE	LATER	GENERAL ATOMIC	LATER	AB31	1421.0 1678.0 265.0	H	A	PRRM		4089	00
JB RM 1CR-3561B -SB	SAFETY FUSE	LATER	GENERAL ATOMIC	LATER	AB31	1567.0 1654.0 261.0	H	A	PRRM		4090	00
JB RM 1CR-3561C -SA	SAFETY FUSE	LATER	GENERAL ATOMIC	LATER	AB31	1443.0 1625.0 265.0	H	A	PRRM		4091	00
JB RM 1CR-3561D -SB	SAFETY FUSE	LATER	GENERAL ATOMIC	LATER	AB31	1579.0 1674.0 261.0	H	A	PRRM		4092	00

TAGS INCLUDED: E/I 1CR 3561A S----JB RM 1CR-3561D
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:CR0026-RAD.MONITORING

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
RE 1CR 3563A SA	RADIATION PRIMARY ELEM	CONTAINMENT POST- LOCA	GENERAL ATOMIC	LATER	AB31	1458.0 1638.0 265.0	H	A	PRRM		0279	00
RE 1CR 3563B SB	RADIATION PRIMARY ELEM	CONTAINMENT POST- LOCA	GENERAL ATOMIC	LATER	AB31	1542.0 1637.0 265.5	H	A	PRRM		0278	00
RM 1CR 3561A SA	MICROPROCESSOR	CONTAINMENT ISOL SYS	GENERAL ATOMIC	LATER	AB31	1421.0 1676.0 265.0	H	A	PRRM		0274	00
RM 1CR 3561B SB	MICORPROCESSOR	CONTAINMENT ISOL SYS	GENERAL ATOMIC	LATER	AB31	1567.0 1658.0 265.0	H	A	PRRM		0277	00
RM 1CR 3561C SA	MICROPROCESSOR	CONTAINMENT ISOL SYS	GENERAL ATOMIC	LATER	AB31	1438.0 1641.0 265.0	H	A	PRRM		0275	00
RM 1CR 3561D SB	MICROPROCESSOR	CONTAINMENT ISOL SYS	GENERAL ATOMIC	LATER	AB31	1579.0 1676.0 265.0	H	A	PRRM		0276	00
RM 1CR 3563A SA	MICORPROCESSOR	LATER	GENERAL ATOMIC	LATER	AB31	1421.0 1655.0 265.0	H	A	PRRM		0280	00
RM 1CR 3563B SB	MICROPROCESSOR	LATER	GENERAL ATOMIC	LATER	AB31	1581.0 1658.0 265.0	H	A	PRRM		0281	00
RM 1CR 3589 SA	RADIATION MONITOR	IN-CONTMT POST ACCIDENT MONITOR MICR	GENERAL ATOMIC	LATER	AB51	1408.0 1656.0 305.0	H	A	PRRM		4505	00
RM 1CR 3590 SB	RADIATION MONITOR	IN-CONTMT POST ACCIDENT MONITOR MICR	GENERAL ATOMIC	LATER	AB51	1416.0 1656.0 305.0	H	A	PRRM		4506	00
T ASSY RM 3504A -SA	LATER	LATER	LATER	LATER	AB51	1594.0 1663.0 305.0	H	A	PRRM		4098	00

SYSTEM # & NAME:AC0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AC-D10SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	HH-96	AB41	1557.0 1616.0 295.0	H	A	SS		1505	00
AC-D10SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1557.0 1616.0 295.0	H	A	SS		1506	00
AC-D10SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1557.0 1616.0 295.0	H	A	SS		5056	00
AC-D17SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB41	1427.0 1604.0 298.0	H	A	SS		1511	00
AC-D17SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1427.0 1604.0 298.0	H	A	SS		1512	00
AC-D17SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1427.0 1604.0 298.0	H	A	SS		5059	00
AC-D18SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB41	1422.0 1607.0 300.0	H	A	SS		1513	00
AC-D18SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1422.0 1607.0 300.0	H	A	SS		1514	00
AC-D18SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	LATER	AB41	1422.0 1607.0 300.0	H	A	SS		5060	00
AC-D19SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB41	1565.0 1632.0 294.0	H	A	SS		1515	00
AC-D19SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1565.0 1632.0 294.0	H	A	SS		1516	00
AC-D19SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1565.0 1632.0 294.0	H	A	SS		5062	00

TAGS INCLUDED: AC-D10SB-1 ----AC-D19SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AC0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AC-D20SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB41	1571.0 1683.0 294.0	H	A	SS		1517	00
AC-D20SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1571.0 1683.0 294.0	H	A	SS		1518	00
AC-D20SP-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1571.0 1683.0 294.0	H	A	SS		5064	00
AC-D5SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	M4-96	AB41	1574.0 1688.0 297.0	H	A	SS		1527	00
AC-D5SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1574.0 1688.0 297.0	H	A	SS		1528	00
AC-D55SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1574.0 1688.0 297.0	H	A	SS		5061	00
AC-D7SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	M4-96	AB41	1442.0 1618.0 295.0	H	A	SS		1531	00
AC-D7SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1442.0 1618.0 295.0	H	A	SS		1532	00
AC-D7SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1442.0 1618.0 295.0	H	A	SS		5058	00
AC-D8SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	M4-96	AB41	1456.0 1618.0 295.0	H	A	SS		1533	00
AC-D8SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1456.0 1618.0 295.0	H	A	SS		1534	00
AC-D8SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1456.0 1618.0 295.0	H	A	SS		5063	00

TAGS INCLUDED: AC-D20SB-1 ----AC-D8SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AC0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AC-D9SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NM-96	AB41	1545.0 1616.0 295.0	H	A	SS		1535	00
AC-D9SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB41	1545.0 1616.0 295.0	H	A	SS		1536	00
AC-D9SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180	AB41	1545.0 1616.0 295.0	H	A	SS		5057	00
AH-10(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1450.0 1614.0 236.0	H	A	SS		1538	00
AH-10(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1510.0 1614.0 236.0	H	A	SS		1540	00
AH-11(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1479.0 1613.0 236.0	H	A	SS		1542	00
AH-11(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1496.0 1613.0 236.0	H	A	SS		1544	00
AH-12(1A-SA)	DOOR SWITCH	REMOTE INDICATION OFDOOR POSITION TI	NAMCO	EA-170	AB41	1438.0 1616.0 286.0	H	A	SS		1545	00
AH-12(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB41	1438.0 1616.0 286.0	H	A	SS		1546	00
AH-12(1B-SA)	DOOR SWITCH	REMOTE INDICATION OFDOOR POSITION TI	NAMCO	EA-170	AB41	1458.0 1616.0 286.0	H	A	SS		1547	00
AH-12(1B-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB41	1458.0 1616.0 286.0	H	A	SS		1548	00
AH-13(1A-SB)	DOOR SWITCH	REMOTE INDICATION OFDOOR POSITION TI	NAMCO	EA-170	AB41	1542.0 1615.0 286.0	H	A	SS		1549	00

TAGS INCLUDED: AC-D9SB-1 ----AH-13(1A-SB)
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME: 0171-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AH-13(1A-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB41	1542.0 1615.0 286.0	H	A	SS		1550	00
AH-13(1B-SB)	DOOR SWITCH	REMOTE INDICATION OFDOOR POSITION TI	NAMCO	EA-170	AB41	1561.0 1616.0 286.0	H	A	SS		1551	00
AH-13(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB41	1561.0 1615.0 286.0	H	A	SS		1552	00
AH-16(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB51	1637.0 1680.0 305.0	H	A	SS		1558	00
AH-16(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB51	1637.0 1663.0 305.0	H	A	SS		1560	00
AH-23(1X-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1545.0 1760.0 236.0	H	A	SS		1574	00
AH-24(1X-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB31	1451.0 1623.0 261.0	H	A	SS		1576	00
AH-25(1X-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB31	1553.0 1623.0 263.0	H	A	SS		1578	00
AH-26(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB31	1552.0 1758.0 261.0	H	A	SS		1582	00
AH-28(1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB11	1424.0 1650.0 216.0	H	A	SS		1584	00
AH-28(1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB11	1575.0 1636.0 216.0	H	A	SS		1586	00
AH-5 (1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB01	1428.0 1614.0 191.2	H	A	SS		1590	00

TAGS INCLUDED: AH-13(1A-SB) ----AH-5 (1B-SB)
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME: 0162-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AH-5 (1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB01	1573.0 1614.0 191.2	H	A	SS		1592	00
AH-6 (1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1423.0 1549.0 236.0	H	A	SS		1594	00
AH-6 (1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1446.0 1549.0 236.0	H	A	SS		1596	00
AH-7 (1A-SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1534.0 1554.0 236.0	H	A	SS		1598	00
AH-7 (1B-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1561.0 1546.0 236.0	H	A	SS		1600	00
AH-8 (1X-SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1601.0 1575.0 251.0	H	A	SS		1602	00
AH-9(1A- SA)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1500.0 1585.0 247.0	H	A	SS		1616	00
AH-9(1B- SB)	MOTOR	DRIVE FAN	RELIANCE	RH INSULATION	AB21	1530.0 1614.0 236.0	H	A	SS		1618	00
AV-D10SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1414.0 1694.0 271.0	H	A	SS		1706	00
AV-D10SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-415	AB31	1414.0 1694.0 271.0	H	A	SS		1707	00
AV-D10SB-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB31	1414.0 1694.0 271.0	H	A	SS		1708	00
AV-D10SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1414.0 1694.0 271.0	H	A	SS		5031	00

TAGS INCLUDED: AH-5 (1B-SB) ----AV-D10SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D11SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1497.0 1597.0 247.0	H	A	SS		1709	00
AV-D11SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1497.0 1597.0 247.0	H	A	SS		1710	00
AV-D11SA-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1497.0 1597.0 247.0	H	A	SS		1711	00
AV-D11SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1497.0 1597.0 247.0	H	A	SS		5036	00
AV-D12SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1493.0 1603.0 246.0	H	A	SS		1712	00
AV-D12SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1493.0 1603.0 246.0	H	A	SS		1713	00
AV-D12SB-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1493.0 1603.0 246.0	H	A	SS		1714	00
AV-D12SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1493.0 1603.0 246.0	H	A	SS		5077	00
AV-D13SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1417.0 1597.0 236.0	H	A	SS		1715	00
AV-D13SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1417.0 1597.0 236.0	H	A	SS		1716	00
AV-D13SA-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1417.0 1597.0 236.0	H	A	SS		1717	00
AV-D13SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1417.0 1597.0 236.0	H	A	SS		5026	00

TAGS INCLUDED: AV-D11SA-1 ----AV-D13SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D14SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1420.0 1605.0 245.0	H	A	SS		1718	00
AV-D14SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1420.0 1605.0 245.0	H	A	SS		1719	30
AV-D14SB-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1420.0 1605.0 245.0	H	A	SS		1720	00
AV-D14SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1420.0 1605.0 245.0	H	A	SS		5076	00
AV-D15SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1595.0 1695.0 244.0	H	A	SS		1721	00
AV-D15SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1595.0 1695.0 244.0	H	A	SS		1722	00
AV-D15SA-1	SOLENOID VALVE	CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1595.0 1695.0 244.0	H	A	SS		1723	00
AV-D15SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1595.0 1695.0 244.0	H	A	SS		5141	00
AV-D16SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1582.0 1706.0 236.0	H	A	SS		1724	00
AV-D16SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1582.0 1706.0 236.0	H	A	SS		1725	00
AV-D16SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1582.0 1706.0 236.0	H	A	SS		1726	00
AV-D16SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1582.0 1706.0 236.0	H	A	SS		5078	00

TAGS INCLUDED: AV-D14SB-1 ----AV-D16SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D17SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1429.0 1678.0 236.0	H	A	SS		1727	00
AV-D17SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1429.0 1678.0 236.0	H	A	SS		1728	00
AV-D17SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1429.0 1678.0 236.0	H	A	SS		1729	00
AV-D17SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1429.0 1678.0 236.0	H	A	SS		5080	00
AV-D18SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1429.0 1674.0 236.0	H	A	SS		1730	00
AV-D18SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1429.0 1674.0 236.0	H	A	SS		1731	00
AV-D18SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1429.0 1674.0 236.0	H	A	SS		1732	00
AV-D18SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1429.0 1674.0 236.0	H	A	SS		5079	00
AV-D19SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1476.0 1569.0 236.0	H	A	SS		1733	00
AV-D19SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1476.0 1569.0 236.0	H	A	SS		1734	00
AV-D19SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1476.0 1569.0 236.0	H	A	SS		1735	00
AV-D19SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1476.0 1569.0 236.0	H	A	SS		5030	00

TAGS INCLUDED: AV-D17SA-1 ----AV-D19SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME: AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D20SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1476.0 1567.0 236.0	H	A	SS		1736	00
AV-D20SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1476.0 1567.0 236.0	H	A	SS		1737	00
AV-D20SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1476.0 1567.0 236.0	H	A	SS		1738	00
AV-D20SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1476.0 1567.0 236.0	H	A	SS		5029	00
AV-D21SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1522.0 1568.0 242.0	H	A	SS		1739	00
AV-D21SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1522.0 1568.0 242.0	H	A	SS		1740	00
AV-D21SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1522.0 1568.0 242.0	H	A	SS		1741	00
AV-D21SA-1	LIMIT SWITCH(2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1522.0 1568.0 242.0	H	A	SS		5015	00
AV-D23SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1499.0 1568.0 242.0	H	A	SS		1745	00
AV-D23SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1499.0 1568.0 242.0	H	A	SS		1746	00
AV-D23SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1499.0 1568.0 242.0	H	A	SS		1747	00
AV-D23SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1499.0 1568.0 242.0	H	A	SS		5019	00

TAGS INCLUDED: AV-D20SB-1 ----AV-D23SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D24SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1499.0 1567.0 236.0	H	A	SS		1748	00
AV-D24SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1499.0 1567.0 236.0	H	A	SS		1749	00
AV-D24SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1499.0 1567.0 236.0	H	A	SS		1750	00
AV-D24SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1499.0 1567.0 236.0	H	A	SS		5020	00
AV-D25SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1452.0 1568.0 242.0	H	A	SS		1751	00
AV-D25SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1452.0 1568.0 242.0	H	A	SS		1752	00
AV-D25SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1452.0 1568.0 242.0	H	A	SS		1753	00
AV-D25SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1452.0 1568.0 242.0	H	A	SS		5024	00
AV-D26SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1452.0 1567.0 236.0	H	A	SS		1754	00
AV-D26SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1452.0 1567.0 236.0	H	A	SS		1755	00
AV-D26SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1452.0 1567.0 236.0	H	A	SS		1756	00
AV-D26SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1452.0 1567.0 236.0	H	A	SS		5022	00

TAGS INCLUDED: AV-D24SB-1 ----AV-D26SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/94

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D27SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1565.0 236.0	H	A	SS		1757	00
AV-D27SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1543.0 1565.0 236.0	H	A	SS		1758	00
AV-D27SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1543.0 1565.0 236.0	H	A	SS		1759	00
AV-D27SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1565.0 236.0	H	A	SS		5021	00
AV-D28SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1572.0 236.0	H	A	SS		1760	00
AV-D28SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1543.0 1572.0 236.0	H	A	SS		1761	00
AV-D28SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1543.0 1572.0 236.0	H	A	SS		1762	00
AV-D28SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1572.0 236.0	H	A	SS		5028	00
AV-D29SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1410.0 1691.0 221.0	H	A	SS		1763	00
AV-D29SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB11	1410.0 1691.0 221.0	H	A	SS		1764	00
AV-D29SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPER OR	ASCO	NP8320A173E	AB11	1410.0 1691.0 221.0	H	A	SS		1765	00
AV-D29SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1410.0 1691.0 221.0	H	A	SS		5100	00

TAGS INCLUDED: AV-D27SA-1 ----AV-D29SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D30SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1414.0 1691.0 221.0	H	A	SS		1769	00
AV-D30SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB11	1414.0 1691.0 221.0	H	A	SS		1770	00
AV-D30SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB11	1414.0 1691.0 221.0	H	A	SS		1771	00
AV-D30SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1414.0 1691.0 221.0	H	A	SS		5103	00
AV-D31SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1587.0 1710.0 216.0	H	A	SS		1772	00
AV-D31SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-415-SR	AB11	1587.0 1710.0 216.0	H	A	SS		1773	00
AV-D31SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB11	1587.0 1710.0 216.0	H	A	SS		1774	00
AV-D31SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1587.0 1710.0 216.0	H	A	SS		5102	00
AV-D32SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1580.0 1692.0 216.0	H	A	SS		1775	00
AV-D32SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-415-SR	AB11	1580.0 1692.0 216.0	H	A	SS		1776	00
AV-D32SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB11	1580.0 1692.0 216.0	H	A	SS		1777	00
AV-D32SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB11	1580.0 1692.0 216.0	H	A	SS		5101	00

TAGS INCLUDED: AV-D30SB-1 ----AV-D32SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-PEAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D34SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1553.0 1603.0 236.0	H	A	SS		1781	00
AV-D34SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1553.0 1603.0 236.0	H	A	SS		1782	00
AV-D34SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1553.0 1603.0 236.0	H	A	SS		1783	00
AV-D34SB-1	LIMIT SWITCH	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA180	AB21	1553.0 1603.0 236.0	H	A	SS		4156	00
AV-D35SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB01	1584.0 1643.0 206.0	H	A	SS		1784	00
AV-D35SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB01	1584.0 1643.0 206.0	H	A	SS		1785	00
AV-D35SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB01	1584.0 1643.0 206.0	H	A	SS		1786	00
AV-D35SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB01	1584.0 1643.0 206.0	H	A	SS		5023	00
AV-D36SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB01	1581.0 1638.0 190.0	H	A	SS		1787	00
AV-D36SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB01	1581.0 1638.0 190.0	H	A	SS		1788	00
AV-D36SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB01	1581.0 1638.0 190.0	H	A	SS		1789	00
AV-D36SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB01	1581.0 1638.0 190.0	H	A	SS		5142	00

TAGS INCLUDED: AV-D34SB-1 ----AV-D36SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-RFAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D37SA-1	LIMIT SWITC H (1 OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180	AB21	1458.0 1594.0 249.0	H	A	SS		1790	00
AV-D37SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSI TION	BETTIS	C9-315	AB21	1458.0 1594.0 249.0	H	A	SS		1791	00
AV-D37SA-1	SOLENOID VA LVE	CONTROL AIR PR ESSURE IN PNEU MATIC OPERATOR	ASCO	NP8320A173E	AB21	1458.0 1594.0 249.0	H	A	SS		1792	00
AV-D37SA-1	LIMIT SWITC H (2 OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180	AB21	1458.0 1594.0 249.0	H	A	SS		5025	00
AV-D38SB-1	LIMIT SWITC H (1OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA180-21302	AB21	1464.0 1603.0 236.0	H	A	SS		1793	00
AV-D38SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSI TION	BETTIS	C9-315	AB21	1464.0 1603.0 236.0	H	A	SS		1794	00
AV-D38SB-1	SOLENOID VA LVE	CONTROL AIR PR ESSURE IN PNEU MATIC OPERATOR	ASCO	NP8320A173E	AB21	1464.0 1603.0 236.0	H	A	SS		1795	00
AV-D38SB-1	LIMIT SWITC H (2 OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA180	AB21	1464.0 1603.0 236.0	H	A	SS		4155	00
AV-D4SB-1	LIMIT SWITC H (1 OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180	AB31	1580.0 1603.0 268.0	H	A	SS		1796	00
AV-D4SB-1	PNEUMATIC O PERATOR	HOLD DAMPER IN REQUIRED POS ITION	BETTIS	C9-315	AB31	1580.0 1603.0 268.0	H	A	SS		1797	00
AV-D4SB-1	SOLENOID VA LVE	CONTROL AIR PR ESSURE IN PNEU MATIC OPERATOR	ASCO	NP8320A173E	AB31	1580.0 1603.0 268.0	H	A	SS		1798	00
AV-D4SB-1	LIMIT SWITC H (2 OF 2)	REMOTE INDICAT ION OF DAMPER POSITION	NAMCO	EA-180	AB31	1580.0 1603.0 268.0	H	A	SS		5027	00

TAGS INCLUDED: AV-D37SA-1 ----AV-D4SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D52SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1595.0 1685.0 245.0	H	A	SS		1802	00
AV-D52SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1595.0 1685.0 245.0	H	A	SS		1803	00
AV-D52SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1595.0 1685.0 245.0	H	A	SS		1804	00
AV-D52SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1595.0 1685.0 245.0	H	A	SS		5143	00
AV-D53SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1585.0 1685.0 247.0	H	A	SS		1806	00
AV-D53SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1585.0 1685.0 247.0	H	A	SS		1807	00
AV-D53SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1585.0 1685.0 247.0	H	A	SS		5081	00
AV-D53SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1585.0 1685.0 247.0	H	A	SS		5082	00
AV-D56SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB21	1465.0 1595.0 248.0	H	A	SS		1808	00
AV-D56SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1465.0 1595.0 248.0	H	A	SS		1809	00
AV-D56SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1465.0 1595.0 248.0	H	A	SS		5032	00
AV-D57SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	LATER	AB21	1465.0 1574.0 248.0	H	A	SS		1810	00

TAGS INCLUDED: AV-D52SA-1 ----AV-D57SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D57SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1465.0 1574.0 248.0	H	A	SS		1811	00
AV-D57SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1465.0 1574.0 248.0	H	A	SS		5033	00
AV-D58SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1467.0 1586.0 247.0	H	A	SS		1812	00
AV-D58SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1467.0 1586.0 247.0	H	A	SS		1813	00
AV-D58SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1467.0 1586.0 247.0	H	A	SS		1814	00
AV-D58SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1467.0 1586.0 247.0	H	A	SS		5034	00
AV-D59SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1468.0 1586.0 247.0	H	A	SS		1815	00
AV-D59SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1468.0 1586.0 247.0	H	A	SS		1817	00
AV-D59SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1468.0 1586.0 247.0	H	A	SS		5035	00
AV-D60SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NH96	AB21	1516.0 1595.0 248.0	H	A	SS		1821	00
AV-D60SA-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1516.0 1595.0 248.0	H	A	SS		1822	00
AV-D60SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1516.0 1595.0 248.0	H	A	SS		5052	00

TAGS INCLUDED: AV-D57SB-1 ----AV-D60SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME: AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D61SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NM96	AB21	1516.0 1574.0 248.0	H	A	SS		1823	00
AV-D61SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1516.0 1574.0 248.0	H	A	SS		1824	00
AV-D61SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1516.0 1574.0 248.0	H	A	SS		5051	00
AV-D62SA-1	LIMIT SWITCH (10F 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2130 2	AB21	1515.0 1586.0 247.0	H	A	SS		1825	00
AV-D62SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1515.0 1586.0 247.0	H	A	SS		1826	00
AV-D62SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1515.0 1586.0 247.0	H	A	SS		1827	00
AV-D62SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1515.0 1586.0 247.0	H	A	SS		4159	00
AV-D63SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2130 2	AB21	1512.0 1586.0 247.0	H	A	SS		1828	00
AV-D63SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1512.0 1586.0 247.0	H	A	SS		1829	00
AV-D63SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1512.0 1586.0 247.0	H	A	SS		1830	00
AV-D63SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1512.0 1586.0 247.0	H	A	SS		4160	00
AV-D64SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NM96	AB21	1482.0 1595.0 247.0	H	A	SS		1831	00

TAGS INCLUDED: AV-D61SB-1 ----AV-D64SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D64SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1482.0 1595.0 247.0	H	A	SS		1832	00
AV-D64SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1482.0 1595.0 247.0	H	A	SS		5045	00
AV-D65SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	NH96	AB21	1479.0 1590.0 247.0	H	A	SS		1833	00
AV-D65SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1479.0 1590.0 247.0	H	A	SS		1834	00
AV-D65SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1479.0 1590.0 247.0	H	A	SS		5042	00
AV-D66SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1486.0 1586.0 247.0	H	A	SS		1835	00
AV-D66SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1486.0 1586.0 247.0	H	A	SS		1836	00
AV-D66SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1486.0 1586.0 247.0	H	A	SS		1837	00
AV-D66SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1486.0 1586.0 247.0	H	A	SS		4161	00
AV-D67SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1488.0 1586.0 247.0	H	A	SS		1838	00
AV-D67SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1488.0 1586.0 247.0	H	A	SS		1839	00
AV-D67SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1488.0 1586.0 247.0	H	A	SS		1840	00

TAGS INCLUDED: AV-D64SA-1 ----AV-D67SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0044-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D67SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1498.0 1586.0 247.0	H	A	SS		4162	00
AV-D68SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH96	AB21	1538.0 1595.0 248.0	H	A	SS		1841	00
AV-D68SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1538.0 1595.0 248.0	H	A	SS		1842	00
AV-D68SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1538.0 1595.0 248.0	H	A	SS		5041	00
AV-D69SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MH96	AB21	1538.0 1574.0 248.0	H	A	SS		1843	00
AV-D69SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1538.0 1574.0 248.0	H	A	SS		1844	00
AV-D69SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1538.0 1574.0 248.0	H	A	SS		5040	00
AV-D7SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1427.0 1595.0 236.0	H	A	SS		1845	00
AV-D7SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1427.0 1595.0 236.0	H	A	SS		1846	00
AV-D7SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1427.0 1595.0 236.0	H	A	SS		1847	00
AV-D7SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1427.0 1595.0 236.0	H	A	SS		5039	00
AV-D70SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2130 2	AB21	1537.0 1586.0 247.0	H	A	SS		1848	00

TAGS INCLUDED: AV-D67SB-1 ----AV-D70SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D70SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1537.0 1586.0 247.0	H	A	SS		1849	00
AV-D70SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1537.0 1586.0 247.0	H	A	SS		1850	00
AV-D70SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1537.0 1586.0 247.0	H	A	SS		4163	00
AV-D71SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2130 2	AB21	1537.0 1585.0 247.0	H	A	SS		1851	00
AV-D71SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1537.0 1585.0 247.0	H	A	SS		1852	00
AV-D71SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1537.0 1585.0 247.0	H	A	SS		1853	00
AV-D71SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180-2230 2	AB21	1537.0 1585.0 247.0	H	A	SS		4164	00
AV-D72SA-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MM 96	AB21	1546.0 1595.0 248.0	H	A	SS		1854	00
AV-D72SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1546.0 1595.0 248.0	H	A	SS		1855	00
AV-D72SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1546.0 1595.0 248.0	H	A	SS		5050	00
AV-D73SB-1	ELECTRO-HYD OPERATOR	CONTROL POSITION OF DAMPER	ITT	MM-96	AB21	1543.0 1578.0 248.0	H	A	SS		1856	00
AV-D73SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1578.0 248.0	H	A	SS		1857	00

TAGS INCLUDED: AV-D70SA-1 ----AV-D73SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D73SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1578.0 248.0	H	A	SS		5048	00
AV-D74SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1548.0 1586.0 247.0	H	A	SS		1858	00
AV-D74SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1548.0 1586.0 247.0	H	A	SS		1859	00
AV-D74SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1548.0 1586.0 247.0	H	A	SS		1860	00
AV-D74SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1548.0 1586.0 247.0	H	A	SS		5047	00
AV-D75SB-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1585.0 247.0	H	A	SS		1861	00
AV-D75SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB21	1543.0 1585.0 247.0	H	A	SS		1862	00
AV-D75SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1543.0 1585.0 247.0	H	A	SS		1863	00
AV-D75SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1543.0 1585.0 247.0	H	A	SS		5049	00
AV-D78SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1602.0 1630.0 250.0	H	A	SS		1864	00
AV-D78SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-415-SR	AB21	1602.0 1630.0 250.0	H	A	SS		1865	00
AV-D78SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1602.0 1630.0 250.0	H	A	SS		1866	00

TAGS INCLUDED: AV-D73SB-1 ----AV-D78SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D78SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1602.0 1630.0 250.0	H	A	SS		5128	00
AV-D79SB- 1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1585.0 1630.0 247.0	H	A	SS		1867	00
AV-D79SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-415-SR	AB21	1585.0 1630.0 247.0	H	A	SS		1868	00
AV-D79SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1585.0 1630.0 247.0	H	A	SS		1869	00
AV-D79SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1585.0 1630.0 247.0	H	A	SS		5083	00
AV-D83SB-1	LIMIT SWITCH (1OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1589.0 1727.0 254.0	H	A	SS		1873	00
AV-D83SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB21	1589.0 1727.0 254.0	H	A	SS		1874	00
AV-D83SB-1	SOLENOID VALVE	SERVING DAMPER AV-D83SB-1 PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB21	1589.0 1727.0 254.0	H	A	SS		1875	00
AV-D83SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB21	1589.0 1727.0 254.0	H	A	SS		5084	00
AV-D86SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1580.0 1705.0 270.0	H	A	SS		1876	00
AV-D86SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	C9-315	AB31	1580.0 1705.0 270.0	H	A	SS		1877	00
AV-D86SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB31	1580.0 1705.0 270.0	H	A	SS		1878	00

TAGS INCLUDED: AV-D78SA-1 ----AV-D86SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
AV-D86SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1580.0 1705.0 270.0	H	A	SS		5046	00
AV-D87SB 1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1580.0 1690.0 272.0	H	A	SS		1879	00
AV-D87SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-315	AB31	1580.0 1690.0 272.0	H	A	SS		1880	00
AV-D87SB-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB31	1580.0 1690.0 272.0	H	A	SS		1881	00
AV-D87SB-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITON	NAMCO	EA-180	AB31	1580.0 1690.0 272.0	H	A	SS		5037	00
AV-D9SA-1	LIMIT SWITCH (1 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1410.0 1694.0 271.0	H	A	SS		1885	00
AV-D9SA-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CR-415	AB31	1410.0 1694.0 271.0	H	A	SS		1886	00
AV-D9SA-1	SOLENOID VALVE	CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR	ASCO	NP8320A173E	AB31	1410.0 1694.0 271.0	H	A	SS		1887	00
AV-D9SA-1	LIMIT SWITCH (2 OF 2)	REMOTE INDICATION OF DAMPER POSITION	NAMCO	EA-180	AB31	1410.0 1694.0 271.0	H	A	SS		5038	00
CP EMC3U 1B-SB RAB	CONTROL PANEL	LATER	BRASCH	CP-7R-00386	AB31	1574.0 1730.0 261.0	H	A	SS		2326	00
E-6 (1B-SB)	DOOR SWITCH (1 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180-1130 2	AB31	1584.0 1766.0 261.0	H	A	SS		1981	00
E-6 (1B-SB)	ELECTRO-HYDR OPERATOR	OPERATE INLET VANES-REGULATE FAN VOLUME	ITT	MH-94	AB31	1584.0 1766.0 261.0	H	A	SS		1983	00

TAGS INCLUDED: AV-D86SA-1 ----E-6 (1B-SB)
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
E-6 (1B-SB)	MOTOR	DRIVE FAN	RELIANCE ELECT CO	RH INSULATION	AB31	1584.0 1766.0 261.0	H	A	SS		1984	00
E-6(1B-SB)	DOOR SWITCH (2 OF 2)	REMOTE INDICATION OF DOOR POSITION	NAMCO	EA-180-3130 2	AB31	1584.0 1766.0 261.0	H	A	SS		5053	00
EHC-30(1B-SB)	ELECTRIC HEATING COIL	MAINTAIN REL. HUMIDITY & TEMP.OF AIR	BRASCH	LATER	AB31	1582.0 1730.0 261.0	H	A	SS		2003	00
FT 1AV 4842B SB	FLOW TRANSMITTER	FAN E6(1B-SB) DISCHFLOW	GOULD	LATER	AB31	1586.0 1765.0 261.0	H	A	SS		0367	00
FT 21AV 3509 SA	FLOW TRANSMITTER	PLANT STACK ISOKINETIC FLOW	LATER	LATER	AB51	1650.0 1760.0 305.0	H	A	SS		1318	00
PDT 1AV4834A1SA	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRESS.	GOULD	LATER	AB01	1580.0 1640.0 195.0	H	A	SS		0335	00
PDT 1AV4834A2SA	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB11	1580.0 1640.0 221.0	H	A	SS		0337	00
PDT 1AV4834A3SA	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB31	1582.0 1640.0 265.0	H	A	SS		0338	00
PDT 1AV4834A4SA	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB21	1581.0 1640.0 240.0	H	A	SS		0339	00
PDT 1AV4834B1SB	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB01	1581.0 1640.0 195.0	H	A	SS		0336	00
PDT 1AV4834B2SB	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB11	1581.0 1640.0 221.0	H	A	SS		0340	00
PDT 1AV4834B3SB	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB31	1580.0 1640.0 265.0	H	A	SS		0333	00

TAGS INCLUDED: E-6 (1B-SB) ----PDT 1AV4834B3SB
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AVU046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
PDT 1AV4834B4SB	PRESSURE TRANSMITTER	RAB TO OUTSIDE DIFF PRES	GOULD	LATER	AB21	1582.0 1640.0 240.0	H	A	SS		0334	00
PDT 1AV4838B SB	PRESSURE TRANSMITTER	RAB EMER FLTR E6 HEPAFLTR DIFF PRES	ROSEMOUNT	1153 SERIES B	AB31	1582.0 1740.0 261.0	H	A	SS		0351	00
PDT 1AV4843B SB	PRESSURE TRANSMITTER	RAB EMER FLTR E6 OVERALL DIFF PRES	ROSEMOUNT	1153 SERIES B	AB31	1582.0 1722.0 261.0	H	A	SS		0371	00
REM.1AV 3509 SA	RADIATION MONITOR SKID	PLANT VENT RAD - STACK 1	GENERAL ATOMIC	LATER	AB51	1650.0 1735.0 305.0	H	A	SS		0264	00
S-64(1X-SA)	MOTOR	PROVIDE VENT FOR ESF EQUIPMENT	RELIANCE	RH INSULATION	AB51	1473.0 1629.0 305.0	H	A	SS		2761	00
S-65(1X-SB)	MOTOR	PROVIDE VENT FOR ESF EQUIPMENT	RELIANCE	RH INSULATION	AB51	1544.0 1627.0 305.0	H	A	SS		2762	00
TE 1AV 4836B SB	TEMPERATURE PRIMARY EL	RAB EMER FLTR E6 EHC INLET TEMP	CONAX	2310-9458-01	AB31	1582.0 1730.0 261.1	H	A	SS		0343	00
TE 1AV 4839B SB	TEMPERATURE PRIMARY EL	RAB EMER FLTR E6 CHAR FLTR IN TEMP	CONAX	2310-9458-01	AB31	1582.0 1730.0 261.2	H	A	SS		0356	00
TE 1AV 6502A SA	THERMOCOUPLE	RHR PMP ROOM AH-5 1A-SA FAN IN TEMP	WEED INSTRUMENT	E43250G-2A2	AB01	1444.0 1604.0 197.0	H	A	SS		0569	00
TE 1AV 6502B-SB	THERMOCOUPLE	RHR PMP ROOM AH-5 1B-SB FAN IN TEMP	WEED INSTRUMENT	E43250G-2A2	AB01	1557.0 1604.0 197.0	H	A	SS		0570	00
TE 1AV 6507A-SA	THERMOCOUPLE	CC HX AREA AH-6 1A-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1410.0 1518.0 236.0	H	A	SS		0578	00
TE 1AV 6507B-SB	THERMOCOUPLE	CC HX AREA AH-6 1B-SB AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1438.0 1518.0 236.0	H	A	SS		0577	00

TAGS INCLUDED: PDT 1AV4834B4SB----TE 1AV 6507B-SB
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # 3 NAME:AV0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
TE 1AV 6512A-SA	THERMOCOUPLE	CC HX AREA AH-7 1A-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1539.0 1518.0 236.0	H	A	SS		0585	00
TE 1AV 6512B-SB	THERMOCOUPLE	CC HX AREA AH-7 1B-SB AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1575.0 1518.0 236.0	H	A	SS		0586	00
TE 1AV 6517X-SB	THERMOCOUPLE	SW BSTR PMP AREA AH-8 1X-SB AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1601.0 1575.0 251.0	H	A	SS		0593	00
TE 1AV 6532A-SA	THERMOCOUPLE	MECH PENTRTN AH-11 1A-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1458.0 1622.0 236.0	H	A	SS		0613	00
TE 1AV 6532B-SB	THERMOCOUPLE	MECH PENTRTN AH-11 1B-SB AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1479.0 1603.0 236.0	H	A	SS		0614	00
TE 1AV 6542A-SA	THERMOCOUPLE	AUX PMP RMS-HV AC CHILLER AH-19 ASA AREA	WEED INSTRUMENT	E43250G-2A2	AB31	1432.0 1570.0 267.0	H	A	SS		0642	00
TE 1AV 6552X SA	THERMOCOUPLE	MESEE PENTRTN AH-23 1X-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB21	1532.0 1773.0 236.0	H	A	SS		0658	00
TE 1AV 6557X SA	THERMOCOUPLE	ELEC PENTRTN AH-24 1X-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB31	1441.0 1622.0 266.0	H	A	SS		0662	00
TE 1AV 6562X SB	THEMOCOUPLE	ELEC PENTRTN AH-25 1X-SB AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB31	1542.0 1622.0 261.0	H	A	SS		0666	00
TE 1AV 6575X1 SA	THERMOCOUPLE	ROD CNTL CAB RM 1X-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB51	1565.0 1587.0 305.0	H	A	SS		0679	00
TE 1AV 6577A SA	THERMOCOUPLE	MECH PENTRTN AH-28 1A-SA AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB11	1480.0 1627.0 220.0	H	A	SS		0680	00
TE 1AV 6577B SB	THERMOCOUPLE	BORON INJ PMP AH-28 1B-SB & TK AREA TEMP	WEED INSTRUMENT	E43250G-2A2	AB11	1523.0 1627.0 220.0	H	A	SS		0681	00

TAGS INCLUDED: TE 1AV 6512A-SA----3AC-81SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:AC0046-REAC.AUX.BLDG HVAC

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3AC-B1SA-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SMB-0-25 W/H3BC	AB51	1464.0 1581.0 307.0	H	A	SS		2155	00
3AC-B3SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SMB-0-25 W/H3BC	AB51	1536.0 1581.0 307.0	H	A	SS		2159	00
3AV-B4SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SMC-06-5	AB31	1585.0 1724.0 261.0	H	A	SS		2168	00
3AV-B5SB-1	MOTOR OPERATOR	ACTUATE VALVE AND CONTROL POSITION	LIMITORQUE	SMC-06-5	AB31	1584.0 1759.0 261.0	H	A	SS		2170	00
AV-D59SB-1	PNEUMATIC OPERATOR	HOLD DAMPER IN REQUIRED POSITION	BETTIS	CB-315	AB21	1468.0 1576.0 247.0	H	A	SS		1816	00
E-10 (1A-SA) FXH. FAN	MOTOR	VENTILLATION OF SPACES CONTAINING ESF EQ PSI EQUIP.	WESTINGHOUSE	FRAME 143T	AB51	1595.0 1665.0 315.0	H	A	SS		2737	00
E-10(1B-SB)	MOTOR	↓	WESTINGHOUSE	FRAME 143T	AB51	1595.0 1658.0 315.0	H	A	SS		2738	00

SYSTEM # & NAME:RH0003-RESIDUAL HEAT REMOVAL

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2RH-V71SA-1	SOLENOID VALVE	POST ACCIDENT SAMPLE POINT	TARGET ROCK	LATER	AB21	1438.0 1605.0 236.0	H	A	CRHR		3828	00
2RH-V72SB-1	SOLENOID VALVE	POST ACCIDENT SAMPLE POINT	TARGET ROCK	LATER	AB21	1561.0 1605.0 236.0	H	A	CRHR		4017	00

SYSTEM # & NAME:SP005A-SAMPLING SYSTEM

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SP-V116SA-1	SOLENOID VALVE	ACCUMULATOR SAMPLE HEADER	TARGET ROCK	793-005	AB21	1520.0 1635.0 236.0	H	A	CI	*	1486	00
2SP-V12SA-1	SOLENOID VALVE	VALVE ON TUBING RUN FROM RCS PRESSURIZER	TARGET ROCK	793-006	AB21	1511.0 1610.0 251.0	H	A	CI	*	1455	00
2SP-V120SA-1	SOLENOID VALVE	S/G-A BLDWN TO SIG SAMPLE COOLER-A	TARGET ROCK	793-005	AB21	1430.0 1687.0 255.0	H	A	CI	*	1475	00
2SP-V121SA-1	SOLENOID VALVE	S/G-B BLDWN TO S/G SAMPLE COOLER-B	TARGET ROCK	793-005	AB21	1492.0 1630.0 255.0	H	A	CI	*	1476	00
2SP-V122SA-1	SOLENOID VALVE	S/G-C BLDWN TO S/G SAMPLE COOLER-C	TARGET ROCK	793-005	AB21	1580.0 1687.0 255.0	H	A	CI	*	1477	00
2SP-V2SA-1	SOLENOID VALVE	VALVE ON TUBING RUN FROM RCS PRESSURIZER	TARGET ROCK	793-006	AB21	1518.0 1630.0 236.0	H	A	CI	*	1453	00
2SP-V23SA-1	SOLENOID VALVE	VALVE ON TUBING RUN FROM RCS HOT LEGS OUTSI	TARGET ROCK	793-006	AB21	1511.0 1630.0 236.0	H	A	CI	*	1473	00
2SP-V302SB-1	SOLENOID VALVE	LATER	TARGET ROCK	793-018	AB21	1455.0 1645.0 255.1	H	A	CI	*	1488	00
2SP-V303SB-1	SOLENOID VALVE	LATER	TARGET ROCK	793-018	AB21	1455.0 1645.0 255.2	H	A	CI	*	1491	00
2SP-V304SA-1	SOLENOID VALVE	LATER	TARGET ROCK	793-018	AB21	1455.0 1645.0 255.5	H	A	CI	*	1489	00
2SP-V305SA-1	SOLENOID VALVE	LATER	TARGET ROCK	793-018	AB21	1455.0 1645.0 255.6	H	A	CI	*	1492	00
2SP-V314SB-1	SOLENOID VALVE	LATER	TARGET ROCK	793-018	AB21	1560.0 1662.0 255.3	H	A	CI	*	1497	00

TAGS INCLUDED: 2SP-V116SA-1 ----2SP-V315-1 SB
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:SPC05A-SAMPLING SYSTEM

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SP-V315SR-1	SOLENOID VALVE	SP LINE FROM HY ANALYZER SKID-SB	TARGET ROCK	LATER	AB21	1560.0 1662.0 255.4	H	A	CI	*	3748	00
2SP-V348SA-1	SOLENOID VALVE	SP LINE FROM SAMPLING HDR - ASSEMBLY TO HY	TARGET ROCK	LATER	AB21	1454.0 1647.0 255.0	H	A	CI	*	3747	00
2SP-V409SA-1	SOLENOID VALVE	POST ACC SAMPLE RETURN (GAS) CONTAM ISOLATI	TARGET ROCK	LATER	AB21	1444.0 1658.0 251.0	H	A	CI		3753	00

SYSTEM # & NAME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
FT 1SW 9112A SA	FLOW TRANSM ITTER	SW BSTR PMP A DISCH FLO W	ROSEMOUNT	1153DB5	AB21	1412.0 1568.0 236.0	H	A	SS		1110	00
FT 1SW 9112B SB	FLOW TRANSM ITTER	SW BSTR PMP B DISCH FLO W	ROSEMOUNT	1153DB5	AB21	1620.0 1568.0 236.0	H	A	SS		1111	00
FT 1SW 9205A SA	FLOW TRANSM ITTER	SW FROM RAB A CHILLER WC-2 F LOW	ROSEMOUNT	1153DB4	AB21	1412.0 1568.0 236.0	H	A	SS		1126	00
FT 1SW 9205B SB	FLOW TRANSM ITTER	SW FROM RAB B CHILLER WC-2 F LOW	ROSEMOUNT	1153DB4	AB21	1531.0 1568.0 236.0	H	A	SS		1127	00
FT 1SW 9275A SB	FLOW TRANSM ITTER	SW FROM CONT F AN CLR AH-1 FLOW	ROSEMOUNT	1153DB4	AB11	1473.0 1624.0 216.0	H	A	SS		1157	00
FT 1SW 9275B SA	FLOW TRANSM ITTER	SW FROM CONT F AN COOLER AH -2	ROSEMOUNT	1153DB4	AB11	1527.0 1624.0 216.0	H	A	SS		1159	00
FT 1SW 9275C SA	FLOW TRANSM ITTER	SW FROM CONT F AN COOLER AH -3	ROSEMOUNT	1153DB4	AB11	1527.0 1624.0 216.0	H	A	SS		1158	00
FT 1SW 9275D SB	FLOW TRANSM ITTER	SW FROM CONT F AN COOLER AH -4	ROSEMOUNT	1153DB4	AB11	1584.0 1622.0 216.0	H	A	SS		1160	00
PT 1SW 9112A SA	PRESSURE TR ANSMITTER	SW BSTR PMP DISC PRES	ROSEMOUNT	1153GB8	AB21	1412.0 1568.0 236.0	H	A	SS		1117	00
PT 1SW 9112B SB	PRESSURE TR ANSMITTER	SW BSTR PMP B DISC PRES	ROSEMOUNT	1153GB8	AB21	1620.0 1568.0 236.0	H	A	SS		1116	00
P1A-SA SW BOOSTER	MOTOR	PROVIDE ESW TO CONT FAN COOL ERS	SIEMENS ALL IS	FL-R-5103-9 0232-2	AB21	1419.0 1578.0 236.0	H	A	SS		2763	00
P1B-SB SW BOOSTER	MOTOR	PROVIDE ESW TO CONT FAN COOL ERS	SIEMENS ALL IS	EL-R-5103-9 0232-2	AB21	1602.0 1571.0 236.0	H	A	SS		2765	00

TAGS INCLUDED: FT 1SW 9112A SA----P19-S3 SW B SP
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
REM 1SW3500A SB	RADIATION M ONITOR SKID	SW FROM CONT F AN CLR AH-1 RAD	GENERAL ATO MIC	LATER	AB11	1458.0 1637.0 220.0	H	A	PRRM		0243	00
REM 1SW3500B SA	RADIATION M ONITOR SKID	SW FROM CONT F AN CLR AH-2 RAD	GENERAL ATO MIC	LATER	AB11	1520.0 1627.0 220.0	H	A	PRRM		0241	00
REM 1SW3500C SA	RADIATION M ONITOR SKID	SW FROM CONT F AN CLR AH-3 RAD	GENERAL ATO MIC	LATER	AB11	1483.0 1627.0 220.0	H	A	SS		0244	00
REM 1SW3500D SB	RADIATION M ONITOR SKID	SW FROM CONT F AN CLR AH-4 RAD	GENERAL ATO MIC	LATER	AB11	1533.0 1637.0 220.0	H	A	PRRM		0242	00
2SW-B45SA-1	MOTOR OPERA TOR	SW SUPPLY TO C ONTMT FAN COOL ER AH-2	LIMITORQUE	SMC-04-5-HO BC	AB11	1545.0 1645.0 230.0	H	A	SS		3172	00
2SW-B46SA-1	MOTOR OPERA TOR	SW SUPPLY TO C ONTMT FAN COOL ER AH-3	LIMITORQUE	SMC-04-5-HO BC	AB11	1455.0 1645.0 230.0	H	A	SS		3174	00
2SW-B47SA-1	MOTOR OPERA TOR	SW RETURN FROM CONTMT FAN CO OLER AH-3	LIMITORQUE	SMC-04-5-HO BC	AB11	1470.0 1635.0 230.0	H	A	SS		3176	00
2SW-B48SB-1	MOTOR OPERA TOR	SW RETURN FROM CONTMT FAN CO OLER AH-1	LIMITORQUE	SMC-04-5-HO BC	AB11	1453.0 1648.0 230.0	H	A	SS		3178	00
2SW-B49SA-1	MOTOR OPERA TOR	SW RETURN FROM CONTMT FAN CO OLER AH-2	LIMITORQUE	SMC-04-5-HO BC	AB11	1529.0 1635.0 230.0	H	A	SS		3180	00
2SW-B50SB-1	MOTOR OPERA TOR	SW RETURN FROM CONTMT FAN CO OLER AH-4	LIMITORQUE	SMC-04-5-HO BC	AB11	1550.0 1649.0 230.0	H	A	SS		3182	00
2SW-B51SB-1	MOTOR OPERA TOR	SW SUPPLY TO C ONTMT FAN COOL ER AH-4	LIMITORQUE	SMC-04-5-HO BC	AB11	1552.0 1653.0 230.0	H	A	SS		3184	00
2SW-B52SB-1	MOTOR OPERA TOR	SW SUPPLY TO C ONTMT FAN COOL ER AH-1	LIMITORQUE	SMC-04-5-HO BC	AB11	1448.0 1652.0 230.0	H	A	SS		3186	00

TAGS INCLUDED: REM 1SW3500A SB----2SW-B52SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
2SW-B88SAB-1	SOLENOID VALVE (1 OF 2	SW SUPPLY TO NON SAFETY HVAC COOLERS	ASCO	NP8320A175E	AB11	1430.0 1693.0 233.0	H	A	SS	*	3188	00
2SW-B88SAB-1	LIMIT SWITCH (1 OF 4)	SW SUPPLY TO NON SAFETY HVAC COOLERS	NAMCO	EA-180-1130 2	AB11	1430.0 1693.0 233.0	H	A	SS	*	3189	00
2SW-B88SAB-1	LIMIT SWITCH (2 OF 4)	SW SUPPLY TO NON SAFETY HVAC COOLERS	NAMCO	EA-180-1130 2	AB11	1430.0 1693.0 233.0	H	A	SS	*	5096	00
2SW-B88SAB-1	LIMIT SWITCH (3 OF 4)	SW SUPPLY TO NON SAFETY HVAC COOLERS	NAMCO	EA-180-1130 2	AB11	1430.0 1693.0 233.0	H	A	SS	*	5097	00
2SW-B88SAB-1	LIMIT SWITCH (4 OF 4)	SW SUPPLY TO NON SAFETY HVAC COOLERS	NAMCO	EA-180-1130 2	AB11	1430.0 1693.0 233.0	H	A	SS	*	5098	00
2SW-B88SAB-1	SOLENOID VALVE(2 OF 2)	SW SUPPLY TO NON SAFETY HVAC COOLERS	ASCO	NP8320175E	AB11	1430.0 1693.0 233.0	H	A	SS	*	5099	00
2SW-B90SB-1	SOLENOID VALVE	FAIL CLOSED	ASCO	NP3320A175E	AB11	1435.0 1660.0 230.0	H	A	SS	*	3192	00
2SW-B90SB-1	LIMIT SWITCH (1 OF 2)	FAIL CLOSED	NAMCO	EA-180-1130 2	AB11	1435.0 1660.0 230.0	H	A	SS	*	3193	00
2SW-B9LSB-1	LIMIT SWITCH (2 OF 2)	FAIL CLOSED	NAMCO	EA-180-1130 2	AB11	1435.0 1660.0 230.0	H	A	SS	*	5094	00
3SW-B13SB-1	MOTOR OPERATOR	SW RETURN HDR A TO NORM SW DISCH HDR	LIMITORQUE	SMB-00-10-H 280	AB21	1636.0 1578.0 239.0	H	A	SS		3102	00
3SW-B14SB-1	MOTOR OPERATOR	SW RETURN HDR B TO NORM SW DISCH HDR	LIMITORQUE	SMB-00-10-H 280	AB21	1636.0 1575.0 240.0	H	A	SS		3104	00
3SW-B64SA-1	SOLENOID VALVE	FAIL CLOSED	ASCO	NP8320A-175 E	AB11	1447.0 1608.0 218.0	H	A	SS		3124	00

TAGS INCLUDED: 2SW-988SAB-1 ----3SW-B64SA-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3SW-B64SA-1	LIMIT SWITCH (1OF 2)	SW RETURN FROM CONTMT FAN COOLER AH-2	NAMCO	EA-180-1130 2	AB11	1447.0 1608.0 218.0	H	A	SS		3125	00
3SW-B64SA-1	LIMIT SWITCH (2 OF 2)	SW RETURN FROM CONTMT FAN COOLER AH-2	NAMCO	EA-180-1130 2	AB11	1447.0 1608.0 218.0	H	A	SS		5095	00
3SW-B65SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB11	1558.0 1614.0 228.0	H	A	SS		3126	00
3SW-B65SB-1	LIMIT SWITCH (1OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1558.0 1614.0 228.0	H	A	SS		3127	00
3SW-B65SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1558.0 1614.0 228.0	H	A	SS		5093	00
3SW-B70SA-1	MOTOR OPERATOR	SW FROM SW SUPPLY HDR A TO AUX FW PMP 1X-S	LIMITORQUE	SMC-04-2-HOBC	AB21	1496.0 1548.0 240.0	H	A	SS		3130	00
3SW-B71SA-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMC-04-2-HOBC	AB21	1504.0 1548.0 240.0	H	A	SS		3132	00
3SW-B72SB-1	MOTOR OPERATOR	SW FROM SW SUPPLY HDR B TO AUX FW PUMP 1X-	LIMITORQUE	SMC-04-2-HOBC	AB21	1518.0 1548.0 240.0	H	A	CI		3134	00
3SW-B73SB-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMC-04-2-HOBC	AB21	1510.0 1548.0 240.0	H	A	CI		3136	00
3SW-B74SA-1	MOTOR OPERATOR	FROM 3SW10-68SA-1 TO AUX FW PUMP 1A-SA SUC	LIMITORQUE	SMC-04-2-HOBC	AB21	1493.0 1521.0 238.0	H	A	SS		3138	00
3SW-B75SA-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMC-04-2-HOBC	AB21	1493.0 1520.0 238.0	H	A	SS		3140	00
3SW-B76SB-1	MOTOR OPERATOR	FROM 3SW10-74SB-1 TO AUX FW PUMP 1P-SB SUC	LIMITORQUE	SMC-04-2-HOBC	AB21	1509.0 1526.0 238.0	H	A	SS		3142	00

TAGS INCLUDED: 3SW-B64SA-1 ----3SW-B76SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # & NAME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3SW-B77SB-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMC-06-2-HO RQ	AB21	1509.0 1521.0 238.0	H	A	SS		3146	00
3SW-B8SA-1	MOTOR OPERATOR	SW RETURN FROM AUX BLDG HDR B TO SW RETURN	LIMITORQUE	SMB-00-10/H RQ	AB21	1636.0 1574.0 240.0	H	A	SS		3146	00
3SW-V237SA-1	SOLENOID VALVE	LATER	PARKER HANNIFIN	H232 NC-50	AB21	1646.0 1538.0 236.0	H	A	SS		3154	00
3SW-V237SA-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	D2600X-2	AB21	1646.0 1538.0 236.0	H	A	SS		3153	00
3SW-V237SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	D2600X-2SR	AB21	1646.0 1538.0 236.0	H	A	SS		4998	00
3SW-V238SB-1	SOLENOID VALVE	LATER	PARKER HANNIFIN	H232 NC-50	AB21	1645.0 1538.0 236.0	H	A	SS		3156	00
3SW-V238SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	D2600X-2	AB21	1645.0 1538.0 236.0	H	A	SS		3157	00
3SW-V238SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	D2600X-2SR	AB21	1645.0 1538.0 236.0	H	A	SS		4995	00
3SW-V266SA-1	SOLENOID VALVE	LATER	PARKER HANNIFIN	H232 NC-50	AB21	1646.0 1549.0 237.0	H	A	SS		3158	00
3SW-V266SA-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	D2600X-2	AB21	1646.0 1549.0 237.0	H	A	SS		3159	00
3SW-V266SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	D2600X-2SR	AB21	1646.0 1549.0 237.0	H	A	SS		4996	00
3SW-V267SB-1	SOLENOID VALVE	LATER	PARKER HANNIFIN	H232 NC-50	AB21	1646.0 1548.0 237.0	H	A	SS		3160	00

TAGS INCLUDED: 3SW-B77SB-1 ----3SW-V267SB-1
SORT TYPE: GLOBAL REV#- 0 09/05/84

SYSTEM # [illegible]ME:SW0015-SERVICE WATER

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
3SW-V267SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	02600X-2	AB21	1646.0 1548.0 237.0	H	A	SS		3161	00
3SW-V267SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	02600X-2SR	AB21	1646.0 1548.0 237.0	H	A	SS		4997	00
3SW-V480SB-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB11	1393.0 1615.0 216.0	H	A	SS		3162	00
3SW-V480SB-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1393.0 1615.0 216.0	H	A	SS		3163	00
3SW-V480SB-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1393.0 1615.0 216.0	H	A	SS		5092	00
3SW-V481SA-1	SOLENOID VALVE	LATER	ASCO	NP8320A175E	AB11	1393.0 1609.0 216.0	H	A	SS		3164	00
3SW-V481SA-1	LIMIT SWITCH (1 OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1393.0 1609.0 216.0	H	A	SS		3165	00
3SW-V481SA-1	LIMIT SWITCH (2 OF 2)	LATER	NAMCO	EA-180-1130 2	AB11	1393.0 1609.0 216.0	H	A	SS		5091	00
3SW-V597SB-1	SOLENOID VALVE	LATER	TARGET ROCK	792-014	AB21	1452.0 1620.0 237.0	H	A	SS		3791	00
3SW-V599SA-1	SOLENOID VALVE	LATER	TARGET ROCK	792-014	AB21	1529.0 1619.0 237.0	H	A	SS		3792	00
3SW-V601SA-1	SOLENOID VALVE	LATER	TARGET ROCK	792-014	AB21	1427.0 1612.0 237.0	H	A	SS		3793	00
3SW-V603SB-1	SOLENOID VALVE	LATER	TARGET ROCK	792-014	AB21	1552.0 1619.0 237.0	H	A	SS		3794	00
3SW-P155A-1	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-00-10 HZBC	TA12	1947.0 1573.0 236.0	H	A	SS		3106	00
3SW-P16[illegible]	MOTOR OPERATOR	LATER	LIMITORQUE	SMB-00-10 HZBC	TA12	1947.0 1554.0 236.0	H	A	SS		3108	00

SYSTEM # [illegible]E:SF0004-SPNT FUEL POOLCOOL&CLNUP

TAG NO	COMPONENT NAME	FUNCTION & SERVICE	MANUFACTUR.	MODEL/SER	PLANT LOCATION	LOCATION X,Y,Z	ENVIRONM. H/M	FUNCT. CATEG.	SAFETY FUNCTION	REG 1.97	CES #	REV #
FP CLG P1 & 4A-SA	MOTOR	FUEL POOL COOLING PUMP DRIVE	SIEMENS-ALL IS	EL-8-5103-9 0232-1	FH21	1621.0 1816.0 236.0	H	A	SS		4985	00
FP CLG P1 & 4B-SB	MOTOR	FUEL POOL COOLING PUMP DRIVE	SIEMENS-ALL IS	EL-8-5103-9 0232-1	FH21	1633.0 1816.0 236.0	H	A	SS		4986	00
FP CLG P2 & 3A-SA	MOTOR	FUEL POOL COOLING PUMP DRIVE	SIEMENS-ALL IS	EL-8-5103-9 0232-1	FH21	1695.0 1816.0 236.0	H	A	SS		4987	00
FP CLG P2 & 3B-SB	MOTOR	FUEL POOL COOLING PUMP DRIVE	SIEMENS-ALL IS	EL-8-5103-9 0232-1	FH21	1665.0 1816.0 236.0	H	A	SS		4988	00

A/E: EBA SERVICES INC. | FACILITY: SHEARON HA , NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0242

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : REM 1SW3500D SB	OPERABIL-ITY NORM/TEST DBA	LATER NORM N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: RADIATION MONIT OR SKID	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW FROM CONT F AN CLR AP-4 RAD	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB11									
COORDINATES X- 1533. Y- 1637. Z- 220.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK #: 8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0242

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :REM 1SW3500D SB

A/E: EBAS SERVICES INC. FACILITY: SHEARON HA , NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0243

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : REM 1SW350GA SB	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY FLEMENT TYPE									
COMPONENT: RADIATION MONIT OR SKID	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE SW FROM CONT F AN CLR AH-1 RAD	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: N-29									
P.O #: 435220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB11									
COORDINATES X- 1458. Y- 1637. Z- 220.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0243

REVISION # :00
DATE :

SYSTEM : SERVICE WATER

TAG : REM 1SW350GA SB

A/E: EBAS ERVICES INC. FACILITY: SHEARON HA NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0244

EQUIPMENT DESCRIPTION

TAG NO : REM 1SW3500C SA

EQUIPMENT: TYPE PRIMARY ELEMENT

COMPONENT: RADIATION MONITOR SKID

MANUFACTURER: GENERAL ATOMIC

MAJOR : SUPPLIER GENERAL ATOMIC

MODEL AND: SERIAL # LATER

FUNCT.DES: & SERVICE SW FROM CONT F AN CLR AH-3 RAD

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: N-29

P.O #: 435220

PLANT LOC.: AB11

COORDINATES X- 1483.
Y- 1627.
Z- 220.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER NORM N/A DBA (SEE	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0244

REVISION # :00
DATE :

SYSTEM : SERVICE WATER

TAG : REM 1SW3500C SA

A/E: EBAS SERVICES INC. FACILITY: SHEARON HA . NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0245

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : REM 1CC3501A SA	OPERABILITY NORM/TEST DBA	40 YRS DBA (SEE NOTE 1)		OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: RADIATION MONITOR SKID	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: RM-80	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RAB21R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	M	NONE
FUNCT.DES: & SERVICE COMP COOLING W TR RAD	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: N-29								
P.O #: 435220								
PLANT LOC.: AB21								
COORDINATES X- 1415. Y- 1521. Z- 236.0								
INSTALLED (Y/N): LTR								

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0245

REVISION # :00
DATE :

SYSTEM : COMP.COOLING WATER
TAG : REM 1CC3501A SA

A/E: EBA SERVICES INC. FACILITY: SHEARON HA NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0246

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : REM 1CC3501B SE	OPERABILITY NORM/TEST DBA	40 YRS NORM N/A DBA (SEE NOTE 1)		OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: RADIATION MONITOR SKID	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: RM-80	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RAB21R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE COMP COOLING W TR RAD	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: N-29								
P.O #: 435220								
PLANT LOC.: AB21								
COORDINATES X- 1560. Y- 1521. Z- 236.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0246

REVISION # :00
DATE :

SYSTEM : COMP.COOLING WATER
TAG : REM 1CC3501B SB

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible], NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-0247

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : REM 1LT3502A SA	OPERABIL-ITY NORM/TEST DBA	LATER NORM N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: RADIATION MONIT OR SKID									
MANUFACTURER: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER GENERAL ATOMIC									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTAINMENT LE AK DET SYS R AD									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: N-29									
P.O #: 435220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB21									
COORDINATES X- 1453. Y- 1624. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1: NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0247

REVISION # :00
DATE :

SYSTEM : LEAK RATE TESTING
TAG : REM 1LT3502A SA

A/E: EBA SERVICES INC. | FACILITY: SHEARON HA NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0248

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : REM 1LT3502B SB EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	LATER NORM N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: RADIATION MONITOR SKID	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE CONTAINMENT LEAK DET SYS RAD	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
ACCUR. SPEC: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

SPECIFICATIONS:N-29

P.O #:435220

PLANT LOC.: AB21

COORDINATES X- 1547.
Y- 1624.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1:NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0248

REVISION # :00
DATE :

SYSTEM :LEAK RATE TESTING
TAG :REM 1LT3502B SB

A/E: EBAS SERVICES INC. | FACILITY: SHEARON HAR NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0249

EQUIPMENT DESCRIPTION

TAG NO : RE 1CZ 3504A SA

EQUIPMENT: TYPE SENSORS

COMPONENT: RADIATION PRIMARY ELEMENT

MANUFACTURER: GENERAL ATOMIC

MAJOR SUPPLIER: GENERAL ATOMIC

MODEL AND SERIAL #: LATER

FUNCT.DES & SERVICE: CNTL RM NORM OUTSDEAIR INTAKE RAD

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: N-29

P.O #: 435220

PLANT LOC.: AB51

COORDINATES X- 1599.
Y- 1681.
Z- 309.0

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER. NORM 1 YR DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

DS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: * INCLUDES 10% MARGIN

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0249

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :RE 1CZ 3504A SA

A/E: EBA, ,ERVICES INC. FACILITY: SHEARON HA NPP - 1 NSSS: WESTINGHOUSE - PWR .V#- C
UTILITY: ,ROLINA POWER & LIGHT COMPONENT EVALUATION ET CAPACITY:900 MW(E) #-0250

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RM 1CZ 3504A SA	OPERABILITY NORM/TEST DBA	LATER NORM 1 YR DBA (SEE NOTE 19	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MICROPROCESSOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CNTL RM NORM OUTSDEAIR INTAKE RAD	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: N-29								
P.O #: 435220								
PLANT LOC.: AB51								
COORDINATES X- 1594. Y- 1669. Z- 309.0								
INSTALLED (Y/N): LTP								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: * INCLUDES 10% MARGIN

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0250

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :RM 1CZ 3504A SA

*QUALIF: LATER
*STATUS
*
*

EQ. PCK # : 8.7SH1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-0251

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RM 1CZ 3504B SB	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MICROPROCESSOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNTL RM NORM OUTSDEAIR INTAKE RAD	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB51									
COORDINATES X- 1604. Y- 1694. Z- 309.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0528 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: * INCLUDES 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0251

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :RM 1CZ 3504B SB

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0264

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : REM 1AV 3509 SA	OPERABILITY NORM/TEST DBA	LATER N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: RADIATION MONIT OR SKID	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	10-100% (DBA) TABLE 3.11.0-1*	LATER NORM 100% DBA	HAB51A	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA.
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE PLANT VENT RAD - STACK 1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB51									
COORDINATES X- 1650. Y- 1735. Z- 305.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: NOTE 1:NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
* INCLUDES A 10% MARGIN

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0264

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :REM 1AV 3509 SA

A/E: EBAS ,ERVICES INC. FACILITY: SHEARON HA. NPP - 1 NSSS: WESTINGHOUSE - PWR .V#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0274

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RM 1CR 3561A SA	OPERABILITY NORM/TEST DBA	LATER 15MIN DBA+ 1HR MARGIN	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: MICROPROCESSOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTAINMENT IS OL SYS	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB31									
COORDINATES X- 1421. Y- 1676. Z- 265.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1 .

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0274

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3561A SA

EQ. PCK # : 8.7SH1

*QUALIF: LATER
*STATUS

A/E: EBAS .ERVICES INC. FACILITY: SHEARON HA, NPP -.1 NSSS: WESTINGHOUSE - PWR .V#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0275

EQUIPMENT DESCRIPTION

TAG NO : RM 1CR 3561C SA

EQUIPMENT: TYPE PRIMARY ELEMENT

COMPONENT: MICROPROCESSOR

MANUFACTURER: GENERAL ATOMIC

MAJOR SUPPLIER : GENERAL ATOMIC

MODEL AND: SERIAL # LATER

FUNCT.DES: & SERVICE CONTAINMENT IS OL SYS

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: N-29

P.O #: 435220

PLANT LOC.: AB31

COORDINATES X- 1438.
Y- 1641.
Z- 265.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER. 15MIN DBA+ 1HR MARGIN	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0275

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3561C SA

A/E: EBAS ERVICES INC. | FACILITY: SHEARON HA NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV# 0
UTILITY AROLINA POWER & LIGHT | COMPONENT EVALUATIO EET | CAPACITY:900 MW(E) | CES#-0276

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RM 1CR 3561D SB	OPERABIL-ITY NORM/TEST DBA	LATER 15MIN DBA+ 1HR MARGIN	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MICROPROCESSOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : GENERAL ATOMIC SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: CONTAINMENT IS & SERVICE OL SYS	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: N-29								
P.O #: 435220								
PLANT LOC.: AB31								
COORDINATES X- 1579. Y- 1676. Z- 265.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

PARA-METER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0276

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3561D SB

EQ. PCK # : 8.7SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION REPORT CAPACITY:900 MW(E) CES#-0277

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RM 1CR 3561B SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	LATER 15MIN DBA+ 1HR MARGIN	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MICORPROCESSOR	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER FUNCT.DES: & SERVICE CONTAINMENT IS OL SYS	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	RADIATION: GAMMA, BETA, B SHIELD, T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:N-29 P.O #:435220 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1567. Y- 1658. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1.

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0277

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3561B SB

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-0278

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RE 1CR 3563B SB EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	LATER N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: RADIATION PRIMARY ELEMENT	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC									MAINTAIN.:
MAJOR SUPPLIER : GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: LATER FUNCT.DES: & SERVICE: CONTAINMENT POST- LOCA	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: 1.NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: N-29 P.O #: 435220 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
COORDINATES X- 1542. Y- 1637. Z- 265.5	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0278

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RE 1CR 3563B SB

EQ. PCK # : 8.7SH1

*QUALIF: LATER
*STATUS

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0279

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RE 1CR 3563A SA	OPERABILITY NORM/TEST DBA	LATER N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	F	NONE	REPLACEMENT:
COMPONENT: RADIATION PRIMARY ELEMENT	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTAINMENT POST- LOCA	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:N-29									
P.O #:435220									
PLANT LOC.: AB31									
COORDINATES X- 1458. Y- 1638. Z- 265.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0279

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RE 1CR 3563A SA

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR .V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-0280

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RM 1CR 3563A SA EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABIL-ITY NORM/TEST DBA	LATER. N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: MICORPROCESSOR MANUFACTURER: GENERAL ATOMIC	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: MAINTAIN.:
MAJOR : GENERAL ATOMIC SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: LATER SERIAL # FUNCT.DES: & SERVICE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: 1.NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: N-29	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #: 435220 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
COORDINATES X- 1421. Y- 1655. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0280

REVISION # :30
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3563A SA

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-0281

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RM 1CR 3563B SB	OPERABIL-ITY NORM/TEST DBA	LATER N/A DBA (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT									
COMPONENT: MICROPROCESSOR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC									MAINTAIN.:
MAJOR SUPPLIER : GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	1.NOT REQUIRED FOR THE SAFE SHUTDOWN OF THE PLANT DURING A DBA
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: N-29									
P.O #: 435220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB31									
COORDINATES X- 1581. Y- 1658. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0281

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :RM 1CR 3563B SB

****
*QUALIF: LATER *
*STATUS *
*
*
****

EQ. PCK # : 8.7SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS ,ERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HA NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

REV#- 0
CES#-0333

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : PDT 1AV4834B3SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: RAB TO OUTSIDE DIFF PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: IN34								
P.O #: 435266								
PLANT LOC.: AB31								
COORDINATES X- 1580. Y- 1640. Z- 265.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0333

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834B3SB

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBAS ,ERVICES INC. FACILITY: SHEARON HA. NPP - 1 NSSS: WESTINGHOUSE - PWR :V#- 0
UTILITY: ROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) #-0334

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FDT 1AV4834B4SB EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERAT-URE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GOULD									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER FUNCT.DES: & SERVICE RAB TO OUTSIDE DIFF PRES	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA O B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4		RAB21R6 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN34 P.O #: 435266 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1582. Y- 1640. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0334

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834B4SB

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBAS SERVICES INC. FACILITY: SHEARON HA . NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATIO EET CAPACITY:900 MW(E) CES#-0335

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834A1SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE									
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	104F NORM 104F DBA		TAB01A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
MANUFACTURER: GOULD									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA		PAB01 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	P	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB01 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE RAB TO OUTSIDE DIFF PRES S.	CHEMICAL SPRAY	NOT APPLICABLE		CAB01 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4		RAB01R1 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN34									
P.O #: 435266	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB01									
COORDINATES X- 158C. Y- 1640. Z- 195.0	SUBMERGED LEVEL	191.0 FEET		SAB01 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	M	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0335

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834A1SA

A/E: EBAS ,ERVICES INC. | FACILITY: SHEARON HA NPP - 1 | NSSS: WESTINGHOUSE - PWR | :V#- 0
UTILITY ROLINA POWER & LIGHT | COMPONENT EVALUATIO FET | CAPACITY:900 MW(E). | S#-0336

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834B1SB	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB01A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB01 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB01 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB01 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4		RAB01R1 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: RAB TO OUTSIDE & SERVICE DIFF PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET		SAB01 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN34									
P.O #: 435266									
PLANT LOC.: AB01									
COORDINATES X- 1581. Y- 164C. Z- 195.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0336

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834B1SB

EQ. PCK # :

****
*QUALIF:
*STATUS
*
*
****

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-0337

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834A2SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB11A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB11 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GOULD MAJOR : SUPPLIER	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB11 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # LATER FUNCT.DES: & SERVICE RAB TO OUTSIDE DIFF PRES	CHEMICAL SPRAY	NOT APPLICABLE		CAB11 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4		RAB11R3 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: IN34	AGE-INST LIFE (PER .323-1974 DEF.)	40 YEARS		10 CFR50 PART.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435266 PLANT LOC.: AB11	SUBMERGED LEVEL	NOT APPLICABLE		SAB11 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

COORDINATES X- 1580.
Y- 1640.
Z- 221.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

*QUALIF:
*STATUS

EQ. PCK # :

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0337

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834A2SA

A/E: EBAS SERVICES INC. FACILITY: SHEARON HA. NPP - 1 NSSS: WESTINGHOUSE - PWR W- 0
UTILITY: ROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) -0338

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834A3SA	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE RAB TO OUTSIDE DIFF PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN34									
P.O #: 435134									
PLANT LOC.: AB31									
COORDINATES X- 1582. Y- 1640. Z- 265.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

DOBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES9-0338

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834A3SA

A/E: EBA SERVICES INC. | FACILITY: SHEARON HA S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY AROLINA POWER & LIGHT | COMPONENT EVALUATIO EET | CAPACITY:900 MW(E) | S#-0339

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834A4SA	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4		RAB21R6 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: RAB TO OUTSIDE DIFF PRES & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: IN34									
P.O #: 435266									
PLANT LOC.: AB21									
COORDINATES X- 1581. Y- 164C. Z- 240.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0339

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834A4SA

*QUALIF:
*STATUS

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-0340

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4834B2SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB11A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESSURE TRANSMITTER									
MANUFACTURER: GOULD	PRESSURE	ATMOS NORM ATMOS DBA		PAB11 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB11 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE RAB TO OUTSIDE DIFF PRES									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB11 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	RADIATION	GAMMA 3.4E4 BETA 7.2E4 B SHIELD 100% T.I.D. 3.4E4		RAB11R3 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN34	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435266									
PLANT LOC.: AB11									
COORDINATES X- 1581. Y- 1640. Z- 221.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB11 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0340

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4834B2SB

EQ. PCK # :

****
*QUALIF: *
*STATUS *
* *
* *
****

A/E: EBAS [illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR W#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0343

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 48368 SB	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRS039.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 310F DBA	TAB31A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PAB31 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,2CALIB REQ EVRY48MN SUBCOMPONENTS:
MANUFACTURER:CONAX	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 2310-9458-01	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2E8 T.I.D.	RAB3111 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE RAB EMER FLTR E6 EHC INLET TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE	
ACCUR. DEM.: +1F OR +5% (32F-212F)									
SPECIFICATIONS:BE31									
P.O #:435162									
PLANT LOC.: AB31									
COORDINATES X- 1582. Y- 1730. Z- 261.1									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.4SH1
TEMPERATURE	T 39.4SH1
PRESSURE	P 39.4SH1
REL. HUMDTY	H 39.4SH1
CHEM. SPRAY	C 39.4SH1
RADIATION	R 39.4SH1
AGING	A 39.4SH1
SUBMERGENCE	S 39.4SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0343

REVISION # :00
DATE :07/24/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 48368 SB

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.4SH1

C588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-0351

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4838B SB EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER MANUFACTURER: ROSEMOUNT	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB31A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21 MAINTAIN.: SEE PG.D20 & D21
MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB31 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # 1153 SERIES B FUNCT.DES: & SERVICE RAB EMER FLTR E6 HEPAFLTR DIFF PRES	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB31 FSAR SEC 3.11B	PG.D25 & 8D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	22 MRADS TID	RAB3111 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE31 P.O #: 435162 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1582. Y- 1740. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

OSBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0351

REVISION # :00
DATE :09/25/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4838B SB

A/E: EBAS ,ERVICES INC. FACILITY: SHEARON HA NPP - 1 NSSS: WESTINGHOUSE - PWR W#- 0
UTILITY: ROLINA POWER & LIGHT COMPONENT EVALUATION ET CAPACITY:900 MW(E) -0356

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 4839B SB	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRS039.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	104F NORM 310F DBA	TA831A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PA831 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,2CALIB REQ EVRY48MN SUBCOMPONENTS:
MANUFACTURER:CONAX	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HA831 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA831 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 2310-9458-01	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2E3 T.I.D.	RA83111 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE RAB EMER FLTR E6 CHAR FLTR IN TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA831 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE	
ACCUR. DEM.: +1F OR +5% (32F-212F)									
SPECIFICATIONS:RE31									
P.O #:435162									
PLANT LOC.: AB31									
COORDINATES X- 1582. Y- 173C. Z- 261.0									
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.4SH1
TEMPERATURE	T 39.4SH1
PRESSURE	P 39.4SH1
REL. HUMDTY	H 39.4SH1
CHEM. SPRAY	C 39.4SH1
RADIATION	R 39.4SH1
AGING	A 39.4SH1
SUBMERGENCE	S 39.4SH1

USRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0356

REVISION # :00
DATE :07/24/84

EQ. PCK # : 39.4SH1

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 4839B SB

A/E: EBA SERVICES INC. FACILITY: SHEARON HA NPP - 1 NSSS: WESTINGHOUSE - PWR REV- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0367

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1AV 4842B SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE FAN E6(1P-SB) DISCHFLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN34									
P.O #: 435266									
PLANT LOC.: AB31									
COORDINATES X- 1586. Y- 1765. Z- 261.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0367

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :FT 1AV 4842B SB

EQ. PCK # :

****
*QUALIF:
*STATUS
*
*
****

A/E: EBAS SERVICES INC. FACILITY: SHEARON HAR NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0371

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1AV4843B SB EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER MANUFACTURER: ROSEMOUNT	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB31A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MAJOR : N/A SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB31 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: 1153 SERIES B SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB31 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: RAB EMER FLTR & SERVICE E6 OVERALL D IFF PRES	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. SPEC: +.25% ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	22 MRADS TID	RAB3111 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE31 P.O #: 435162 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1582. Y- 1722. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0371

REVISION # :00
DATE :09/25/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :PDT 1AV4843B SB

A/E: EBAS ERVICES INC. FACILITY: SHEARON HAR NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: OLINA POWER & LIGHT COMPONENT EVALUATION T CAPACITY:900 MW(E) -0443

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RE 1CZ 3504B SB EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	LATER . 1YR DBA	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: RADIATION PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER:GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : GENERAL ATOMIC								
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE CNTL RP NORP OUTSDEAIR INTAKE RAD								
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:N-29 P.O #:435220 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1608. Y- 1682. Z- 308.5	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-0443

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :RE 1CZ 3504B SB

A/E: EBA. ERVICES INC. FACILITY: SHEARON HA. NPP - 1 NSSS: WESTINGHOUSE - PWR .V#- 0
UTILITY: ROLINA POWER & LIGHT COMPONENT EVALUATION EET CAPACITY:900 MW(E) S#-0447

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RE 1CZ 3505A1 S A	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SENSORS									
COMPONENT: RADIATION PRIMA PY ELEMENT	TEMPERAT-URE				SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC									MAINTAIN.:
MAJOR : SUPPLIER GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL #	RELATIVE HUMIDITY				SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CNTL RM EMER O UTSDEAIR INTAK E 10 RAD	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4		RAB5122 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: N-29									
P.O #: 435220	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION:
PLANT LOC.: AB51									
COORDINATES X- 1404. Y- 1517. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0447

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : RE 1CZ 3505A1 S

EQ. PCK # :

GS88 CATEG.: A
APPENDIX E

*QUALIF:
*STATUS

A/E: EBAS ,ERVICES INC. | FACILITY: SHEARON HA NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV# 0
UTILITY: ROLINA POWER & LIGHT | COMPONENT EVALUATION ET | CAPACITY:900 MW(E) | CES#-0449

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RE 1CZ 3505B1 S B	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE								
COMPONENT: RADIATION PRIMARY ELEMENT	TEMPERAT-URE				SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC								
MAJOR SUPPLIER: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #	RELATIVE HUMIDITY				SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE: CNTL RM EMER OUTSDEAIR INTAKE 10 RAD								
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4		RAB5122 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: N-29	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
P.O #: 435220								
PLANT LOC.: AB51								
COORDINATES X- 1404. Y- 1519. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
INSTALLED (Y/N): LTR								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0449

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : RE 1CZ 3505B1 S

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARR PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) 1-0569

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6502A SA	OPERABILITY NORM/TEST	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT								
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG F1-39.1SH1	TA801A FSAR SEC 3.11B	REF(1) SBST39.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: WEED INSTRUMENT								
MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG F2-39.1SH1	PA801 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MODEL AND: SERIAL # E4B250G-2A2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HA801 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE RHR PMP ROOM AH-5 1A-SA FAN IN TEMP								
ACCUR. SPEC: +2-1/4F(32-600) +3/8(600-1600)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	3E8 T.I.D.	RA801R1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: IN43								
P.O #: 435286	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB01								
COORDINATES X- 1444. Y- 1604. Z- 197.0	SUBMERGED LEVEL	191.0 FEET	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	P	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 39.1SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0569

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6502A SA

A/E: EBASCO VICES INC. FACILITY: SHEARON HARRI P - 1 NSSS: WESTINGHOUSE - PWR I - 0
UTILITY: LINA POWER & LIGHT COMPONENT EVALUATION S CAPACITY:900 MW(E) 0570

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6502B SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERAT-URE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TABU1A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT MAJOR : N/A SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PABU1 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: E4B250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB01 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: RHR PMP ROOM & SERVICE AH-5 1B-SB FAN IN TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F) ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	3ER T.I.D.	RAB01R1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: IN43 P.O #:435286 PLANT LOC.: AB01	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1557. Y- 1604. Z- 197.0	SUBMERGED LEVEL	191.0 FEET	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	P	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

PARA-METER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0570

REVISION # :C1
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6502B SB

EQ. PCK # : 39.1SH1

A/E: EBA SERVICES INC. | FACILITY: SHEARON HA , NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0577

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6507B SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
MANUFACTURER:WEED INSTRUMENT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:
MODEL AND: E4B250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CC HX AREA AH-6 1B-SB AREA TEMP & SERVICE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)									
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	3E8 T.I.D.	RAB21R7 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:IN43 P.O #:435286 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1438. Y- 1518. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.1SH1
TEMPERATURE T	39.1SH1
PRESSURE P	39.1SH1
REL. HUMDTY H	39.1SH1
CHEM. SPRAY C	39.1SH1
RADIATION R	39.1SH1
AGING A	39.1SH1
SUBMERGENCE S	39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0577

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6507B SB

EQ. PCK # : 39.1SH1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0578

EQUIPMENT DESCRIPTION

TAG NO : TE 1AV 6507A SA

EQUIPMENT: TYPE — PRIMARY ELEMENT

COMPONENT: THERMOCOUPLE

MANUFACTURER: WEED INSTRUMENT

MAJOR SUPPLIER : N/A

MODEL AND SERIAL #: E4B250G-2A2

FUNCT.DES: & SERVICE — CC HX AREA AH-6 1A-SA AREA TEMP

ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)

ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)

SPECIFICATIONS: IN43

P.O #: 435286

PLANT LOC.: AB21

COORDINATES X- 1410. Y- 1518. Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
****

EQ. PCK # : 39.1SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	3E8 T.I.D.	RAB21R7 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0578

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6507A SA

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | V#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | S#-0585

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6512A SA EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
MANUFACTURER:WEED INSTRUMENT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.PAN CAL.ONCE YR SUBCOMPONENTS:
MODEL AND: SERIAL # E4B250G-2A2 FUNCT.DES: & SERVICE CC HX AREA AH-7 1A-SA AREA TEMP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F) SPECIFICATIONS:IN43	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	3E8 T.I.D.	RAB21R7 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435286 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1539. Y- 1518. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	C 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0585

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6512A SA

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 39.1SH1

U588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR IN- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0586

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6512B SB	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW PP.4.1	REF(2) SRS039.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL	TA621A FSAR SEC 3.11B	REF(2) SRST39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL	PAB21 FSAR SEC 3.11B	REF(2) SRSP39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR
MANUFACTURER: WEED INSTRUMENT									
MAJOR SUPPLIER : N/A									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # E4R25DG-2A2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(2) SRSH39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE:1)MODEL HAS SIMILARITY WITH MODEL THERMOCOUPLES PRESENTED IN HARSH ENVIRONMENT PKG 39.1SH1 WITH DIFFERENCE LENGTH OF SENSORS.
FUNCT.DES: & SERVICE CC HX AREA AH-7 1B-SB AREA TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.2SH1	N/A	/	NONE	
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)									
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	3E9 TID	RAB21R7 FSAR SEC 3.11B	REF(2) SRSR39.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN43									
P.O #: 435286	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(2) SRSA39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1575. Y- 1518. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.2SH1
TEMPERATURE T	39.2SH1
PRESSURE P	39.2SH1
REL. HUMDTY H	39.2SH1
CHEM. SPRAY C	39.2SH1
RADIATION R	39.2SH1
AGING A	39.2SH1
SUBMERGENCE S	39.2SH1

C588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.2SH1

REFERENCES:
1. WEED INSTRUMENT REPORT 548-8854-2 REV B.
2. HARSH ENVIRONMENT DOCUMENTATION PACKAGE 39.1SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.2SH1

CES#-0586

REVISION # :00
DATE :05/30/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6512B SB

EQ. PCK # : 39.2SH1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR /#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0593

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6517X SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORP/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA & PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:WEED INSTRUMENT MAJOR : SUPPLIER N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # E4B25UG-2A2 FUNCT.DES: & SERVICE SW BSTR PMP AR EA AH-8 1X-SB AREA TEMP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	3E8 T.I.D.	RAB2110 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:IN43 P.O #:435286 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1601. Y- 1575. Z- 251.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.1SH1
TEMPERATURE T	39.1SH1
PRESSURE P	39.1SH1
REL. HUMDTY H	39.1SH1
CHEM. SPRAY C	39.1SH1
RADIATION R	39.1SH1
AGING A	39.1SH1
SUBMERGENCE S	39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0593

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6517X SB

EQ. PCK # : 39.1SH1

*QUALIF: QUALIFIED
*STATUS

A/E: EBAS ERVICES INC. FACILITY: SHEARON HAR NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: OLINA POWER & LIGHT COMPONENT EVALUATION ET CAPACITY:900 MW(E) W-0614

EQUIPMENT DESCRIPTION	PARAMETER (1)	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6532B SB	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
MODEL AND SERIAL # : E4B250G-2A2	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	3F8 T.I.D.	RAB21R6 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: PECH PENTRTN AH-11 1B-SB AREA TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)								
SPECIFICATIONS: IN43								
P.O #: 435286								
PLANT LOC.: AB21								
COORDINATES X- 1479. Y- 1603. Z- 236.0								

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	39.1SH1
TEMPERATURE	T	39.1SH1
PRESSURE	P	39.1SH1
REL. HUMDTY	H	39.1SH1
CHEM. SPRAY	C	39.1SH1
RADIATION	R	39.1SH1
AGING	A	39.1SH1
SUBMERGENCE	S	39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1.

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0614

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6532B SB

EQ. PCK # : 39.1SH1

A/E: EBAS ERVICES INC.
UTILITY: OLINA POWER & LIGHT

FACILITY: SHEARON HA NPP - 1
COMPONENT EVALUATION T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

VN- 0
-0615

TAG NO : TE 1AV 6532A SA

EQUIPMENT: PRIMARY ELEMENT
TYPE

COMPONENT: THERMOCOUPLE

MANUFACTURER: WEED INSTRUMENT

MAJOR : N/A
SUPPLIER

MODEL AND: E48250G-2A2
SERIAL #

FUNCT.DES: MECH PENTRTN
& SERVICE AH-11 1A-SA
AREA TEMP

ACCUR. SPEC: +2-1/4(32-600F)
+3/8(600-1600F)

ACCUR. DEM.: (-33.4F-+34.6F)
(32F-554F)

SPECIFICATIONS: IN43

P.O #: 435286

PLANT LOC.: AB21

COORDINATES X- 1458.
Y- 1622.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 39.1SH1

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	35R T.I.D.	RAB21R6 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT:
N/A

MAINTAIN.:
SEE INST.MAN
CAL.ONCE YR
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.1SH1
TEMPERATURE T	39.1SH1
PRESSURE P	39.1SH1
REL. HUMDTY H	39.1SH1
CHEM. SPRAY C	39.1SH1
RADIATION R	39.1SH1
AGING A	39.1SH1
SUBMERGENCE S	39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0615

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6532A SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) CES#-0626

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6537A SA	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TFH21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PFH21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT CO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HFH21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
MODEL AND SERIAL #: E4B250-2A2	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	1E8 T.I.D.	RFH21F1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: FHB AH-17 SA SPENT FUEL POOL PMP AREA TEMP	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)								
SPECIFICATIONS: IN43								
P.O #: 435286								
PLANT LOC.: FH21								
COORDINATES X- 1639. Y- 1792. Z- 236.0								

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

G588 CATEG.: A
APPENDIX E

EQ. PCK # : 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0626

REVISION # :01
DATE :10/04/84

SYSTEM :FUEL HNDL.BLDG HVAC
TAG :TE 1AV 6537A SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0627

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6537B1 S B EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TFH21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT CO MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PFH21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #: E4B2506-2A2 FUNCT.DES: & SERVICE: FHB AH-17 SB SPENT FUEL POOL PMP AREA TEMP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HFH21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	3E9 T.T.D.	PFH21F1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: IN43 P.O #: 435286 PLANT LOC.: FH21 COORDINATES X- 1661. Y- 1792. Z- 236.0	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0627

REVISION # :01
DATE :10/04/84

SYSTEM :FUEL HNDL.BLDG HVAC
TAG :TE 1AV 6537B1 S

EQ. PCK # : 39.1SH1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-0628

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6537A1 S A EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TFH21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT CO MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PFH21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MODEL AND: SERIAL # E4B250G-2A2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HFH21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE FHB AH-17 SA SPENT FUEL POOL PMP AREA TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	3E8 T.I.D.	RFH21F1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F) SPECIFICATIONS: IN43 P.O #: 435286 PLANT LOC.: FH21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1659. Y- 1792. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.PAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.1SH1
TEMPERATURE T	39.1SH1
PRESSURE P	39.1SH1
REL. HUMDTY H	39.1SH1
CHEM. SPRAY C	39.1SH1
RADIATION R	39.1SH1
AGING A	39.1SH1
SUBMERGENCE S	39.1SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0628

REVISION # :01
DATE :10/04/84

SYSTEM :FUEL HNDL.BLDG HVAC
TAG :TE 1AV 6537A1 S

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E)

CES#-0629

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6537B SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TFH21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT CO MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PFH21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #: E4B250G-2A2 FUNCT.DES: & SERVICE FHB AH-17 SB SPENT FUEL POOL PMP AREA TEMP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HFH21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	3E8 T.I.D.	RFH21F1 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: IN43 P.O #: 435286 PLANT LOC.: FH21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1641. Y- 1792. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0629

REVISION # :01
DATE :10/04/84

SYSTEM :FUEL HNDL.BLDG HVAC
TAG :TE 1AV 6537B SB

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) CES#-0642

EQUIPMENT DESCRIPTION	PARAMETER (1)	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6542A SA	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW PP.4.1	REF(2) SRS039.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL	TAB31A FSAR SEC 3.11B	REF(2) SRST39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL	PAB31 FSAR SEC 3.11B	REF(2) SRSP39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: WEED INSTRUMENT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF(2) SRSH39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.2SH1	N/A	/	NONE
MODEL AND SERIAL #: E4B250G-2A2	R GAMMA A BETA D B SHIELD S T.I.D.	2.0E4 100% 2.0E4	3E8 TID	RAB3113 FSAR SEC 3.11B	REF(2) SRSR39.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE AUX PMP RMS-HV AC CHILLER AH-19 ASA AREA	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(2) SRSA39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.2SH1	N/A	/	NONE
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)								
SPECIFICATIONS: IN43								
P.O #: 435286								
PLANT LOC.: AB31								
COORDINATES X- 1432. Y- 157C. Z- 267.0								

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.ONCE YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:1)MODEL HAS SIMILARITY WITH MODEL THERMOCOUPLES PRESENTED IN HARSH ENVIRONMENT PKG 39.1SH1 WITH DIFFERENCE LENGTH OF SENSORS.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.2SH1
TEMPERATURE	T 39.2SH1
PRESSURE	P 39.2SH1
REL. HUMDTY	H 39.2SH1
CHEM. SPRAY	C 39.2SH1
RADIATION	R 39.2SH1
AGING	A 39.2SH1
SUBMERGENCE	S 39.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.2SH1

REFERENCES:
1.WEED INSTRUMENT REPORT 548-8854-2 REV B.
2.HARSH ENVIRONMENT DOCUMENTATION PACKAGE 39.1SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.2SH1

CES#-0642

REVISION # :00
DATE :05/30/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6542A SA

EQ. PCK # : 39.2SH1

A/E: ERASC[illegible] RVICES INC. FACILITY: SHEARON HARR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible]T CAPACITY:900 MW(E) [illegible]-0658

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6552X SA	OPERABIL-ITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	164F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB21A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE									
MANUFACTURER: WEED INSTRUMENT	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB21 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR
MAJOR : N/A SUPPLIER									SUBCOMPONENTS:
MODEL AND: E4B250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE MEBEE PENTRTN AH-23 1X-SA AREA TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	3E8 T.I.D.	RAB21R6 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)									
SPECIFICATIONS: IN43	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435286									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	
COORDINATES X- 1532. Y- 1773. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0658

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6552X SA

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 39.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EBASC [redacted]ERVICES INC. FACILITY: SHEARON HARR[redacted] NPP - 1 NSSS: WESTINGHOUSE - PWR [redacted]N- 0
UTILITY: [redacted]OLINA POWER & LIGHT COMPONENT EVALUATION [redacted]T CAPACITY:900 MW(E) [redacted]-0662

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1AV 6557X SA EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 FP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: THERMOCOUPLE	TEMPERAT-URE	104F NORM 104F DBA	NORMAL DBA FIG E1-39.1SH1	TAB31A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:WEED INSTRUMENT MAJOR : N/A SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	NORMAL DBA FIG E2-39.1SH1	PAB31 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: E4R250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: ELEC PENTRTN & SERVICE AH-24 1X-SA AREA TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC39.1SH1	N/A	/	NONE
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F) ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	3E8 T.I.D.	RAB3111 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:IN43 P.O #:435286 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1441. Y- 1622. Z- 266.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE

REPLACEMENT: N/A

MAINTAIN.: SEE INST.MAN CAL.REQ.1YR

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
****

EQ. PCK # : 39.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0662

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6557X SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR IN- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0666

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6562X SB EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: THEMOCOUPLE	TEMPERAT-URE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB31A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
MANUFACTURER:WEED INSTRUMENT MAJOR : N/A SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB31 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:
MODEL AND: E48250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: ELEC PENTRTN & SERVICE AH-25 1X-SB AREA TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)									
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	3E8 T.I.D.	RAB3111 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:IN43 P.O #:435286 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DFF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1542. Y- 1622. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	39.1SH1
TEMPERATURE T	39.1SH1
PRESSURE P	39.1SH1
REL. HUMDTY H	39.1SH1
CHEM. SPRAY C	39.1SH1
RADIATION R	39.1SH1
AGING A	39.1SH1
SUBMERGENCE S	39.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0666

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6562X SB

EQ. PCK # : 39.1SH1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

A/E: EBA SERVICES INC. FACILITY: SHEARON HA 5 NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) ES#-0679

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6575X1 S A EQUIPMENT: TYPE PRIMARY ELEMENT	OPERABIL-ITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: THERMOCOUPLE	TEMPERAT-URE	80F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB51J FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: N/A
MANUFACTURER: WEED INSTRUMENT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB51 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:
MODEL AND: SERIAL # E4B250G-2A2 FUNCT.DES: & SERVICE ROD CNTL CAB RM 1X-SA AREA TEMP	RELATIVE HUMIDITY	40% NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	3E8 T.I.D.	RAB5122 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN43 P.O #:435286 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1565. Y- 1587. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC .

PARA-METER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1)TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0679

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6575X1 S

****
*QUALIF: QUALIFIED *
*STATUS *
*
*
****

EQ. PCK # : 39.1SH1

D588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION REPORT CAPACITY:900 MW(E) CES#-0680

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6577A SA	OPERABILITY NORM/TEST DBA	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB11A FSAR SEC. 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: THERMOCOUPLE									REPLACEMENT: N/A
MANUFACTURER: WEED INSTRUMENT	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB11 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR
MAJOR SUPPLIER : N/A									SUBCOMPONENTS:
MODEL AND SERIAL #: E48250G-2A2	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HAB11 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE MECH PENTRTN AH-28 1A-SA AREA TEMP									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)									
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	3E8 T.I.D.	RAB11R3 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN43									
P.O #: 435286	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1480. Y- 1627. Z- 220.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.1SH1
TEMPERATURE	T 39.1SH1
PRESSURE	P 39.1SH1
REL. HUMDTY	H 39.1SH1
CHEM. SPRAY	C 39.1SH1
RADIATION	R 39.1SH1
AGING	A 39.1SH1
SUBMERGENCE	S 39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.1SH1

REFERENCES: (1) TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.1SH1

CES#-0680

REVISION # :01
DATE :10/04/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :TE 1AV 6577A SA

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV# - 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY: 900 MW(E) | CES#-0681

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1AV 6577B SB	OPERABILITY NORM/TEST	40YRS PLUS 1YR POST DBA	40YRS PLUS 1YR POST DBA	SPEC IN43 PARA 8 PP 4.1	REF(1) SRS039.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL DBA FIG E1-39.1SH1	TAB11A FSAR SEC 3.11B	REF(1) SRST39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORMAL DBA FIG E2-39.1SH1	PAB11 FSAR SEC 3.11B	REF(1) SRSP39.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:
MANUFACTURER: WEED INSTRUMENT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB11 FSAR SEC 3.11B	REF(1) SRSH39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.1SH1	N/A	/	NONE	
MODEL AND SERIAL #: F4B250G-2A2	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	3E9 T.I.D.	PAB11R3 FSAR SEC 3.11B	REF(1) SRSR39.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE BORON INJ PMP AH-28 1B-SB & TK AREA TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(1) SRSA39.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS39.1SH1	N/A	/	NONE	
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)									
SPECIFICATIONS: IN43									
P.O #: 435286									
PLANT LOC.: AB11									
COORDINATES X- 1523. Y- 1627. Z- 220.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	39.1SH1
TEMPERATURE	T	39.1SH1
PRESSURE	P	39.1SH1
REL. HUMDTY	H	39.1SH1
CHEM. SPRAY	C	39.1SH1
RADIATION	R	39.1SH1
AGING	A	39.1SH1
SUBMERGENCE	S	39.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 39.1SH1

REFERENCES: (1) TEST REPORT WEED INSTRUMENT #548-8854 REV B, DATED 10/2182.

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.1SH1

058R CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 39.1SH1

CES#-0681

REVISION # : 01
DATE : 10/04/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : TE 1AV 6577B SB

A/E: EBA SERVICES INC. | FACILITY: SHEARON H. S NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-0837

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : PT 1CT 7131A SA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB31A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	*	NONE
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB31 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB31 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE
MODEL AND SERIAL #: 1153GB8	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	22 MRADS TID	RAB3111 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CNMT SPRAY PMP A DISCHARGE PRESS	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE
ACCUR. DEM.: +.25%								
SPECIFICATIONS: IN01								
P.O #: 435102								
PLANT LOC.: AB31								
COORDINATES X- 1414. Y- 163C. Z- 261.0								

REPLACEMENT: SEE PG.D20 & D21
MAINTAIN.: SEE PG.D20 & D21
SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0837

REVISION # :00
DATE :09/25/84

SYSTEM : CONTAINMENT SPRAY
TAG : PT 1CT 7131A SA

EQ. PCK # : 8.4SH1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]# - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:90[illegible] MW(E) [illegible]-0838

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 1CT 7131B SB EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB31A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB31 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: SERIAL # 1153GB8 FUNCT.DES: & SERVICE CNMT SPRAY PMP & DISCHARGE PRESS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB31 FSAR SEC 3.11B	PG.D25 & D0133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	22 MRADS TID	RAB3111 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01 P.O #: 435102 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 FARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1584. Y- 1622. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0838

REVISION # :00
DATE :09/25/84

SYSTEM : CONTAINMENT SPRAY
TAG : PT 1CT 7131B SB

A/E: EBAS. ERVICES INC. FACILITY: SHEARON HAR NPP - 1 NSSS: WESTINGHOUSE - PWR WW- 0
UTILITY: OLINA POWER & LIGHT COMPONENT EVALUATION T CAPACITY:900 MW(E) -0846

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LT 1CT 715C SA	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: LEVEL TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT									
MAJOR SUPPLIER : N/A									SUBCOMPONENTS:
MODEL AND SERIAL #: 1153DB4	RELATIVE HUMIDITY	20-90% NORM 100% DBA	40-90% NORM 100% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CNMT SPRAY ADDITIVE TANK LEVEL	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. SPEC: +.25%									
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01									
P.O #: 435102	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB11									
COORDINATES X- 1504. Y- 1611. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0846

REVISION # :00
DATE :09/25/84

SYSTEM : CONTAINMENT SPRAY
TAG : LT 1CT 7150 SA

EQ. PCK # : 8.4SH1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0849

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1CT 7152 SB	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 12YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	40-90% NORM 100% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND SERIAL #: 1153DB4	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNMT SPRAY ADDITIVE FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IN01									
P.O #: 435102									
PLANT LOC.: AB11									
COORDINATES X- 1528. Y- 1602. Z- 217.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0849

REVISION # :00
DATE :09/25/84

SYSTEM : CONTAINMENT SPRAY
TAG : FT 1CT 7152 SB

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR W/- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0855

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LIT 1CT716CB SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LEVEL TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: TRNSAMERICA-DELAVEL	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RE-36562	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CS CONT SUMP B LVL	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN33									
P.O #: 435275									
PLANT LOC.: AB31									
COORDINATES X- 1565. Y- 1660. Z- 261.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0855

REVISION # :00
DATE :

SYSTEM :CONTAINMENT SPRAY
TAG :LIT 1CT716CB SB

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-0859

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LIT 1CT7161B SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SENSORS	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: LEVEL TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: TRNSAMERICA-DELAVEL	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # RE-36562	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTAINMENT WTR LEVEL (NARROW RANGE)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN33									
P.O #:435275									
PLANT LOC.: AP31									
COORDINATES X- 1565. Y- 166C. Z- 261.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

DS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0859

REVISION # :00
DATE :

SYSTEM : CONTAINMENT SPRAY
TAG : LIT 1CT7161B SB

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]Y- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0867

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LIT 1CT7162A SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SENSORS	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LEVEL TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: TRNSAMERICA-DELAVEL	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # RE-36562	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTAINMENT WTR LEVEL (WIDE RANGE)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN33									
P.O #: 435275									
PLANT LOC.: AB31									
COORDINATES X- 1435. Y- 166C. Z- 261.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0867

REVISION # :00
DATE :

SYSTEM :CONTAINMENT SPRAY
TAG :LIT 1CT7162A SA

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0868

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LIT 1CT7162B SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE									
COMPONENT: LEVEL TRANSMITTER	TEMPERATURE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: TRNSAMERICA-DELAVEL	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER :									SUBCOMPONENTS:
MODEL AND SERIAL #: RE-36562	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTAINMENT WTR LEVEL (WIDE RANGE)	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN33									
P.O #: 435275	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB31									
COORDINATES X- 1565. Y- 1660. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0868

REVISION # :00
DATE :

SYSTEM :CONTAINMENT SPRAY
TAG :LIT 1CT7162B SB

****
*QUALIF:
*STATUS
*
*
****

EQ. PCK # :

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-0892

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1CB768CA SA	OPERABILITY NORM/TEST			OPER. REVIEW		COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS	DBA				SRSO				
TYPE									
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	104F NORM 104F DBA		TAB41A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT;
MANUFACTURER:GOULD									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA		PAB41 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB41 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONT OUTSIDE DIFF PRES S. A									
	CHEMICAL SPRAY	NOT APPLICABLE		CAB41 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4		RAB4117 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:IN34									
P.O #:435134	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1470. Y- 1635. Z- 291.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB41 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0892

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :PDT 1CB76

*QUALIF:
*STATUS

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION REPORT CAPACITY:900 MW(E) -0893

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : FDT 1CB768CB SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB41A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB41 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB41 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB41 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL # : LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4		RAB4117 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	M	NONE
FUNCT.DES: & SERVICE CONT OUTSIDE DIFF PRES S.B	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB41 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: IN34								
P.O #: 435134								
PLANT LOC.: AB41								
COORDINATES X- 1564. Y- 1666. Z- 291.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0893

REVISION # :00
DATE :

SYSTEM : CONT.VACUUM RELIEF
TAG : PDT 1CB7680B SB

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBASC[illegible]RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARP[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] U
[illegible]0907

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : FT 1CZ 7817B SB	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE SENSORS	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE POST ACCIDENT OA1 FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: IN34								
P.O #: 435134								
PLANT LOC.: AB51								
COORDINATES X- 1626. Y- 1665. Z- 310.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0907

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :FT 1CZ 7817B SB

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

EQ. PCK # :

DSRP CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES9-G908

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1CZ 7817A SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE									
COMPONENT: FLOW TRANSMITTER	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER:GOULD									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	P	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POST ACCIDENT OAT FLOW									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	RADIATION GAMMA BETA B SHIELD T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:IN34									
P.O #:435134	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1655. Z- 310.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF: STATUS

0588 CATEG.: A
APPENDIX E

EQ. PCK #.:

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES9-G908

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :FT 1CZ 7817A SA

A/E: EBAS[illegible]RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]P - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]0915

EQUIPMENT DESCRIPTION

TAG NO : FT 1CZ 7819A SA

EQUIPMENT: TYPE SENSORS

COMPONENT: FLOW TRANSMITTE R

MANUFACTURER: GOULD

MAJOR : SUPPLIER

MODEL AND: SERIAL # LATER

FUNCT.DES: & SERVICE EMER FLTR FAN R2 (1A-SA) D ISCH FLOW

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: IN34

P.O #: 435I34

PLANT LOC.: AB51

COORDINATES X- 1630.
Y- 1696.
Z- 317.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF:
*STATUS

EQ. PCK # :

ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0915

REVISION # :30
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :FT 1CZ 7819A SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) L 0916

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : FT 1CZ 7819B SB	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: FLOW TRANSMITTE P	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: EMER FLTR FAN & SERVICE R2 (1R-SB) D ISCH FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: IN34								
P.O #: 435134								
PLANT LOC.: AB51								
COORDINATES X- 1637. Y- 1694. Z- 310.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0916

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : FT 1CZ 7819B SB

*QUALIF:
*STATUS

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS - 1 NSSS: WESTINGHOUSE - PWR RE U
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES 919

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1CZ 7821A SA	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRS039.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 310F DBA	TAB51A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: THERMOCOUPLE									REPLACEMENT: N/A
MANUFACTURER: CONAX	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,2CALIB REQ EVRY48MN
MAJOR SUPPLIER : CTI-NUCLEAR									SUBCOMPONENTS:
MODEL AND SERIAL # : 2310-9458-L1	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CNTL RM EMER FLTR EHC INLET TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE	
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2E8 T.I.D.	RAB5125 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: +1F OR +5% (32F-212F)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS: BE31	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE	
P.O #: 435162									
PLANT LOC.: AB51									
COORDINATES X- 1634. Y- 1691. Z- 310.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.4SH1
TEMPERATURE	T 39.4SH1
PRESSURE	P 39.4SH1
REL. HUMDTY	H 39.4SH1
CHEM. SPRAY	C 39.4SH1
RADIATION	R 39.4SH1
AGING	A 39.4SH1
SUBMERGENCE	S 39.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0919

REVISION # :00
DATE :07/24/84

SYSTEM :CONTROL ROOM HVAC
TAG :TE 1CZ 7821A SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#0920

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1CZ 7821B SB	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRS039.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 310F DBA	TAB51A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: CONAX	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE
MODEL AND SERIAL #: 2310-9458-01	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2ER T.I.D.	RAB5125 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CNTL RM EMER FLTR EHC INLET TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE
ACCUR. DEM.: +1F OR +5% (32F-212F)								
SPECIFICATIONS: BE31								
P.O #: 435162								
PLANT LOC.: AB51								
COORDINATES X- 1634. Y- 1692. Z- 310.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT: N/A

MAINTAIN.: REF 1,2CALIB REQ EVRY48MN SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:

****
*QUALIF: QUALIFIED *
*STATUS *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.4SH1
TEMPERATURE T	39.4SH1
PRESSURE P	39.4SH1
REL. HUMDTY H	39.4SH1
CHEM. SPRAY C	39.4SH1
RADIATION R	39.4SH1
AGING A	39.4SH1
SUBMERGENCE S	39.4SH1

USBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0920

REVISION # :00
DATE :07/24/84

SYSTEM :CONTROL ROOM HVAC
TAG :TE 1CZ 7821B SB

EQ. PCK # : 39.4SH1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) [illegible]0936

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1CZ7823A SA	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSD 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB51A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB51 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB51 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND SERIAL #: 1153D	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	22 MRADS TID	RAB5125 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNTL RM EMER F LTR HEPAFLTR DIFF PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEV.: +.25%									
SPECIFICATIONS: BE31									
P.O #: 435162									
PLANT LOC.: AB51									
COORDINATES X- 1623. Y- 1687. Z- 308.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0936

REVISION # :00
DATE :09/25/84

SYSTEM :CONTROL ROOM HVAC
TAG :PDT 1CZ7823A SA

A/E: EBASCO ICES INC. FACILITY: SHEARON HARRI[illegible] - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: C[illegible]NA POWER & LIGHT COMPONENT EVALUATION SH[illegible] CAPACITY:900 MW(E) C[illegible]942

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : TE 1CZ 7824A SA	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRS039.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 310F DBA	TAB51A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: CONAX	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE
MODEL AND SERIAL #: 2310-9458-G1	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2ER T.I.D.	RAB5125 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CNTL RM EMER FLTR CHAR FLTR IN TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE
ACCUR. DEM.: +1F OR +5% (32F-212F)								
SPECIFICATIONS: BE31								
P.O #: 435162								
PLANT LOC.: AB51								
COORDINATES X- 1619. Y- 1691. Z- 310.0								

REPLACEMENT: N/A

MAINTAIN.: REF 1,2CALIB REQ EVRY48MN

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
****

EQ. PCK # : 39.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 39.4SH1
TEMPERATURE	T 39.4SH1
PRESSURE	P 39.4SH1
REL. HUMDTY	H 39.4SH1
CHEM. SPRAY	C 39.4SH1
RADIATION	R 39.4SH1
AGING	A 39.4SH1
SUBMERGENCE	S 39.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0942

REVISION # :00
DATE :07/24/84

SYSTEM :CONTROL ROOM HVAC
TAG :TE 1CZ 7824A SA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-0943

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1CZ 7824B SB	OPERABILITY NORM/TEST DBA .	41 YEARS	>40 YEARS	OPER. REVIEW	REF 1,2 SRSO39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	104F NORM 317F DBA	TAB51A FSAR SEC 3.11B	REF 1,2 SRST39.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
COMPONENT: THERMOCOUPLE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1,2 SRSP39.4SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,2CALIB REQ EVRY48MN SUBCOMPONENTS:
MANUFACTURER:CONAX	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1,2 SRSH39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC39.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 2310-9458-C1	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2E9 T.I.D.	RAB5125 FSAR SEC 3.11B	REF 1,2 SRSR39.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNTL RM EMER FLTR CHAR FLTR IN TEMP	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF 1,2 SRSA39.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +3F(0-600F) +5%(600-1600)	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS39.4SH1	N/A	/	NONE	
ACCUR. DEM.: +1F OR +5% (32F-212F)									
SPECIFICATIONS:BE31									
P.O #:435162									
PLANT LOC.: AB51									
COORDINATES X- 1619. Y- 1692. Z- 310.0									
INSTALLED (Y/N): LTP									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.4SH1
TEMPERATURE T	39.4SH1
PRESSURE P	39.4SH1
REL. HUMDTY H	39.4SH1
CHEM. SPRAY C	39.4SH1
RADIATION R	39.4SH1
AGING A	39.4SH1
SUBMERGENCE S	39.4SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.4SH1

REFERENCES:
1. CONAX CORP. TEST REPORT #IPS-266 DATED 8/23/78
2. #IPS-263 DATED 4/6/78

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.4SH1

CES#-0943

REVISION # :00
DATE :07/24/84

SYSTEM :CONTROL ROOM HVAC
TAG :TE 1CZ 7824B SB

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) 0961

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/M (6)	OUTS ITEMS (7)	
TAG NO : PDT 1CZ7827A SA EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB51A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB51 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: SERIAL # 1153D FUNCT.DES: & SERVICE CNTL RM EMER F LTR OVERALL D IFF PRES	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB51 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	22 MRADS TID	RAB5125 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS: BE31 P.O #: 435162 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1638. Y- 1687. Z- 308.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 1C8026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-0961

REVISION # :00
DATE :09/25/84

SYSTEM :CONTROL ROOM HVAC
TAG :PDT 1CZ7827A SA

A/E: EBA[illegible]SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-0973

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AS 1CZ 7829B SB	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SWITCHES	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: ANALYSIS SWITCH	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ANACON	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNTL RM NRML O A1 CHLORINE DET	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-46									
P.O #: 435281									
PLANT LOC.: AB51									
COORDINATES X- 1618. Y- 1669. Z- 310.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0973

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : AS 1CZ 7829B SB

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBASCO [illegible] /ICES INC.
UTILITY: CA[illegible]NA POWER & LIGHT

FACILITY: SHEARON HARRI[illegible] - 1
COMPONENT EVALUATION SH[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] U
CES[illegible]74

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AS 1CZ 7829A SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SWITCHES TYPE	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: ANALYSIS SWITCH	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ANACON	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CNTL RM NRML O AI CHLORINE DET	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-46									
P.O #: 435281									
PLANT LOC.: AB51									
COORDINATES X- 1620. Y- 1671. Z- 310.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-0974

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :AS 1CZ 7829A SA

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

N[illegible] 0
CE[illegible]979

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1CZ 7835A SA EQUIPMENT: PRIMARY ELEMENT TYPE	OPERABILITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW PP.4.1	REF(2) SRSO39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: THERMOCOUPLE	TEMPERATURE	104F NORM 104F DBA	120 DEGF NORMAL 398F DBA	TAB51A FSAR SEC 3.11B	REF(2) SRST39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
MANUFACTURER: WEED INSTRUMENT CO MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	75PSIG DBA NORM ATMOS	PAB51 FSAR SEC 3.11B	REF(2) SRSP39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR SUBCOMPONENTS:
MODEL AND: E48250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-40%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF(2) SRSH39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CNTL RM AH-15 & SERVICE 1A-SA EHC EXH TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.2SH1	N/A	/	NONE	NOTE:1)MODEL HAS SIMILARITY WITH MODEL THERMOCOUPLES PRESENTED IN HARSH ENVIRONMENT PKG 39.1SH1
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F) ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 NEGLI B 100% 3.7E4	3E8 TID	RAB51253 FSAR SEC 3.11B	REF(2) SRSR39.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	WITH DIFFERENCE LENGTH OF SENSORS.
SPECIFICATIONS: IN43 P.O #: 435286 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(2) SRSA39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1613. Y- 1677. Z- 319.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A	N/A SRSS39.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 39.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	39.2SH1
TEMPERATURE T	39.2SH1
PRESSURE P	39.2SH1
REL. HUMDTY H	39.2SH1
CHEM. SPRAY C	39.2SH1
RADIATION R	39.2SH1
AGING A	39.2SH1
SUBMERGENCE S	39.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 39.2SH1

REFERENCES:
1. TEST REPORT WEED INSTRUMENT #548-8854-2REV B, DATED 10/21/82
2. HARSH ENVIRONMENT DOCUMENTATION PACKAGE 39.1SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 39.2SH1

CES#-0979

REVISION # : 01
DATE : 10/05/84

SYSTEM : CONTROL ROOM HVAC
TAG : TE 1CZ 7835A SA

A/E: EBAS[illegible] .RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-0980

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : TE 1CZ 7835B SB	OPERABIL-ITY NORM/TEST DBA	41 YEARS	>40 YEARS	OPER. REVIEW PP.4.1	REF(2) SRS039.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE COMPONENT: THERMOCOUPLE	TEMPERAT-URE	104F NORM 104F DBA	120 DEGF NORMAL 580F DBA	TAB51A FSAR SEC 3.11B	REF(2) SRST39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: N/A
MANUFACTURER: WEED INSTRUMENT CO	PRESSURE	ATMOS NORM ATMOS DBA	75PSIG DBA NORM ATMOS	PAB51 FSAR SEC 3.11B	REF(2) SRSP39.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INST.MAN CAL.ONCE YR
MAJOR : N/A SUPPLIER									SUBCOMPONENTS:
MODEL AND: E48250G-2A2 SERIAL #	RELATIVE HUMIDITY	20-40%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF(2) SRSH39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CNTL RM AH-15 & SERVICE 1B-SB FHC EXH TEMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC39.2SH1	N/A	/	NONE	NOTE:1)MODEL HAS SIMILARITY WITH MODEL THERMOCOUPLES PRESENTED IN HARSH ENVIRONMENT PKG 39.1SH1
ACCUR. SPEC: +2-1/4(32-600F) +3/8(600-1600F)									WITH DIFFERENCE LENGTH OF SENSORS.
ACCUR. DEM.: (-33.4F-+34.6F) (32F-554F)	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 NEGLI B 100% 3.7E4	3E8 TID	RAB5125 FSAR SEC 3.11B	REF(2) SRSR39.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN43	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40 YEARS	10 CFR50 PARA.50.51	REF(2) SRSA39.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435286 PLANT LOC.: AB51									
COORDINATES X- 1609. Y- 1660. Z- 319.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A	N/A SRSS39.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	39.2SH1
TEMPERATURE	T	39.2SH1
PRESSURE	P	39.2SH1
REL. HUMDTY	H	39.2SH1
CHEM. SPRAY	C	39.2SH1
RADIATION	R	39.2SH1
AGING	A	39.2SH1
SUBMERGENCE	S	39.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:39.2SH1

REFERENCES:
1. TEST REPORT WEED INSTRUMENT #548-8854-2REV B,DATED10/21/82
2. HARSH ENVIRONMENT DOCUMENTATION PACKAGE 39.1SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:39.2SH1

CES#-0980

REVISION # :01
DATE :10/05/84

SYSTEM :CONTROL ROOM HVAC
TAG :TE 1CZ 7835B SB

EQ. PCK # : 39.2SH1

QSEB CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED
*STATUS

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NUP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES# 1C18

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 18D 8405A2 S B	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT									
MAJOR SUPPLIER : N/A	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: 1153GB9									
FUNCT.DES: & SERVICE STM GEN 1A RAB LINE LEAK DET	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. SPEC: +.25%									
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01									
P.O #: 435102	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1552. Y- 1520. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1C18

REVISION # :00
DATE :09/25/84

SYSTEM : BLOWDOWN

TAG : PT 18D 8405A2 S

EQ. PCK # : 8.4SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1620

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 180 8405C1 S A EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA 1 YEAR (DBA)	20YRS NORM 2YRS POST DBA POST DBA	OPER. REVIEW	PG.D44-D49 D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 TAB D SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR : SUPPLIER N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	FAB21 FSAR SEC 3.11B	PG.D133 & D143 TAB D SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: SERIAL # 1153GB9 FUNCT.DES: & SERVICE STM GEN 1C RAB LINE BREAK DET	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 TAB D SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25% CHANGE	CHEMICAL SPRAY	NOT APPLICABLE	N/A APPLICABLE	CAB21 FSAR SEC 3.11B	N/A APPLICABLE SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	22 MRADS TID	RAB21R6 FSAR SEC 3.11B	PG.D44 TAB D SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IND1 P.O #: 435102 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1575.0 Y- 1676.0 Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A APPLICABLE	SAB21 FSAR SEC 3.11B	N/A APPLICABLE SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

DSBP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1020

REVISION # :00
DATE :09/25/84

SYSTEM :BLOWDOWN

TAG :PT 180 8405C1 S

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS - 1 NSSS: WESTINGHOUSE - PWR REV 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES# 1021

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 180 8405B2 S B EQUIPMENT: SENSORS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERATURE	104F NORM 104F DBA	104F NORM 319F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: SERIAL # 1153GB9 FUNCT.DES: & SERVICE STM GEN 1B RAB LINE BREAK DET	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01 P.O #: 435102 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1552. Y- 1520. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1021

REVISION # :00
DATE :09/25/84

SYSTEM :BLOWDOWN

TAG :PT 180 8405B2 S

EQ. PCK # : 8.4SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible]O SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILI[illegible]CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET. CAPACITY:900 MW(E) [illegible]ES#-1022

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 1BD 8405C2 S B EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR SUPPLIER : N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND SERIAL #: 1153GB9 FUNCT.DES: & SERVICE STM GEN 1C RAB LINE BREAK DET	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	27 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IND1 P.O #: 435102 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1552. Y- 1520. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1022

REVISION # :00
DATE :09/25/84

SYSTEM :BLOWDOWN

TAG :PT 1BD 8405C2 S

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1023

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 18D 8405B1 S A EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: PRESSURE TRANSMITTER	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MAJOR : N/A SUPPLIER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: 1153GB9 SERIAL #	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
FUNCT.DES: STM GEN 1P RAB LINE BREAK DET & SERVICE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	22 MRADS TID	RAB21R6 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: +.25%									
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IN01	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435102									
PLANT LOC.: AB21									
COORDINATES X- 1502. Y- 1626. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC	PARA-METER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1
********** *QUALIF: QUALIFIED-AWAITING * *STATUS CONFIRMATORY DATA * * * **********	OPERABILITY O TEMPERATURE T PRESSURE P REL. HUMDTY H CHEM. SPRAY C RADIATION R AGING A SUBMERGENCE S	8.4SH1 8.4SH1 8.4SH1 8.4SH1 8.4SH1 8.4SH1 8.4SH1 8.4SH1	REFERENCES: (1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS. (2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.						CES#-1023
EQ. PCK # : 8.4SH1	D588 CATEG.: A APPENDIX E								REVISION # :00 DATE :09/25/84 SYSTEM :9LOWDOWN TAG :PT 18D 840581 S

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:90[illegible] MW(E)

[illegible] 0
[illegible]1110

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9112A SA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 131F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 1153DB5	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW BSTR PMP A DISCH FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IN01									
P.O #: 435102									
PLANT LOC.: AB21									
COORDINATES X- 1412. Y- 1568. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1110

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9112A SA

A/E: E[illegible] / SERVICES INC. FACILITY: SHEARON [illegible] IS NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible]HFET CAPACITY:900 MW(E) [illegible]ES#-1111

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9112B SB	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SECT 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-100% NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND SERIAL #: 1153DB5	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	22 MRADS TID	RAB21100 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW BSTR PMP B DISCH FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

ACCUR. DEM.: +.25%

SPECIFICATIONS: IN01

P.O #: 435102

PLANT LOC.: AB21

COORDINATES X- 1602.
Y- 1562.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1111

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9112B SB

A/E: EBASC[illegible] VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]P - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]1116

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 1SW 9112B SP	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	NOT AVAILABLE	104F NORM 318F PEAK DBA		PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	40-90% NORM 100% DBA		PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 1153GB8	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	22 MRADS TID	RAB2110 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW BSTR PMP B DISC PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

ACCUR. DEP.: +.25%

SPECIFICATIONS: IN01

P.O #: 435102

PLANT LOC.: AB21

COORDINATES X- 1620.
Y- 1568.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 1C8026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 1C8025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1116

REVISION # :00
DATE :09/25/84

SYSTEM : SERVICE WATER

TAG :PT 1SW 9112B SB

REPLACEMENT: SEE PG.D20 & D21
MAINTAIN.: SEE PG.D20 & D21
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY-[illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E). [illegible]-1117

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PT 1SW 9112A SA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: PRESSURE TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND SERIAL #: 1153GB8	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW BSTR PMP DISC PRES	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IN01									
P.O #: 435102									
PLANT LOC.: AB21									
COORDINATES X- 1412. Y- 1568. Z- 236.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1117

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :PT 1SW 9112A SA

EQ. PCK # : 8.4SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1126

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9205A SA EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: FLOW TRANSMITTE R	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT									MAINTAIN.: SEE PG.D20 & D21
MAJOR : N/A SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: 1153DB4 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: SW FROM RAB A & SERVICE CHILLER WC-2 F LOW									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. SPEC: +.25%									
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01									
P.O #: 435102	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1412. Y- 1568. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1126

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9205A SA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1127

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9205B SB	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 131°F PEAK DBA	TAB21A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB21 FSAR SEC 3.11P	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB21 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND SERIAL #: 1153DB4	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	22 MRADS TID	RAB21R7 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: SW FROM RAB B CHILLER WC-2 FLOW	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IND1									
P.O #: 435102									
PLANT LOC.: AB21									
COORDINATES X- 1531. Y- 1568. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

DSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1127

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9205B SB

A/E: EBA[illegible] SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] D
C[illegible]-1157

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : FT 1SW 9275A SB EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: FLOW TRANSMITTE R	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ROSEMOUNT MAJOR : SUPPLIER N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # 1153D84 FUNCT.DES: & SERVICE SW FROM CONT F AN CLR AH-1 FLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE
ACCUR. DEM.: +.25% SPECIFICATIONS:IN01	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
P.O #:435102 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1473. Y- 1624. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE

REPLACEMENT:
SEE PG.D20 & D21
MAINTAIN.:
SEE PG.D20 & D21
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1157

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9275A SB

EQ. PCK # : 8.4SH1

A/E: EBAS[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-1158

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9275C SA EQUIPMENT: SENSORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: FLOW TRANSMITTE R	TEMPERAT-URE	104F NORM 104F DBA	106F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT MAJOR : SUPPLIER N/A	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21 SUBCOMPONENTS:
MODEL AND: SERIAL # 1153DB4 FUNCT.DES: & SERVICE SW FROM CONT F AN COOLER AH -3	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: +.25%	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: IN01 P.O #: 435102 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1527. Y- 1624. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 8.4SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1) ROSEMOUNT REPORT 108026, REV A, VOL I: TEST RESULTS.
(2) ROSEMOUNT REPORT 108025, REV B, QUAL. REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1158

REVISION # : 00
DATE : 09/25/84

SYSTEM : SERVICE WATER

TAG : FT 1SW 9275C SA

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]1159

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 1SW 9275B SA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE PG.D20 & D21
COMPONENT: FLOW TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE PG.D20 & D21
MANUFACTURER: ROSEMOUNT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	40-90% NORM 100% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE	
MODEL AND: SERIAL # 1153DB4	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW FROM CONT FAN COOLER AH -2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: +.25%	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE	
ACCUR. DEM.: +.25%									
SPECIFICATIONS: IN01									
P.O #: 435102									
PLANT LOC.: AB11									
COORDINATES X- 1527. Y- 1624. Z- 216.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.4SH1
TEMPERATURE T	8.4SH1
PRESSURE P	8.4SH1
REL. HUMDTY H	8.4SH1
CHEM. SPRAY C	8.4SH1
RADIATION R	8.4SH1
AGING A	8.4SH1
SUBMERGENCE S	8.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-1159

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9275B SA

EQ. PCK # : 8.4SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] .RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-1160

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : FT 1SW 9275D SB EQUIPMENT: TYPE SENSORS COMPONENT: FLOW TRANSMITTER MANUFACTURER: ROSEMOUNT MAJOR. : SUPPLIER N/A MODEL AND: SERIAL # 1153DB4 FUNCT.DES: & SERVICE SW FROM CONT F AN -4 COOLER AH ACCUR. SPEC: +.25% ACCUR. DEM.: +.25% SPECIFICATIONS:IND1 P.O #:435102 PLANT LOC.: AB11 COORDINATES X- 1584. Y- 1622. Z- 216.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC *QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA EQ. PCK # : 8.4SH1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	20YRS NORM 2YRS POST DBA	OPER. REVIEW	PG.D44-D49 SRSO 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	104F NORM 318F PEAK DBA	TAB11A FSAR SEC 3.11B	PG.D25 & D133 SRST 8.4SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM 75 PSIG PEAK DBA	PAB11 FSAR SEC 3.11B	PG.D133 & D143 SRSP 8.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90% NORM 100% DBA	40-90% NORM 101% DBA	HAB11 FSAR SEC 3.11B	PG.D25 & &D133 SRSH 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 8.4SH1	N/A	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	22 MRADS TID	RAB11R3 FSAR SEC 3.11B	PG.D44 SRSR 8.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	PG.D33-D43 PG.D111-D125 SRSA 8.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 8.4SH1	N/A	/	NONE

REPLACEMENT: SEE PG.D20 & D21
MAINTAIN.: SEE PG.D20 & D21
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.4SH1
TEMPERATURE	T	8.4SH1
PRESSURE	P	8.4SH1
REL. HUMDTY	H	8.4SH1
CHEM. SPRAY	C	8.4SH1
RADIATION	R	8.4SH1
AGING	A	8.4SH1
SUBMERGENCE	S	8.4SH1

U58F CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.4SH1

REFERENCES:
(1)ROSEMOUNT REPORT 108026,REV A,VOL I:TEST RESULTS.
(2)ROSEMOUNT REPORT 108025,REV B,QUAL.REPORT FOR 1153 SERIES B TRANSMITTER.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.4SH1

CES#-116D

REVISION # :00
DATE :09/25/84

SYSTEM :SERVICE WATER

TAG :FT 1SW 9275D SB

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]1180

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E/I*1FR3565A SA	OPERABILITY NORM/TEST DBA	LATER N/A DBA* (SEE NOTE 1)	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SIGNAL CONDITIONERS	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: CURRENT TRANSMITTER J B ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.THIS SUBCOMP BELONGS TO THE ENSEMBLE OF EQUIP WHICH INITIATES CLOSURE OF THE HVAC DAMPERS DURING THE INCIPIENCE OF A FUEL HANDLING BLDG ACCDNT AND IS NOT NEEDED THEREAFTER.
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SPENT FUEL POOL (SOUTH) AREA RAD MONITOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51.	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB51									
COORDINATES X- 1594. Y- 1669. Z- 309.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES: *SIGNIFIES IN THIS CASE DESIGN BASIS FUEL HANDLING BUILDING ACCIDENT

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-1180

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I*1FR3565A SA

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

058R CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION S CAPACITY:900 MW(E) C 1312

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : RE21AV 3509-1 S A	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE				SRST	COMB. TEST & SUPPL. REVIEW	/	NONE	REPLACEMENT:
COMPONENT: RADIATION PRIMARY ELEMENT	PRESSURE	ATMOS NORM ATMOS DBA		PA851 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY				SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE		CA851 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL #	RADIATION	3.7E4 100% 3.7E4		RA851 25 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE PLANT STACK ACCIDENT RADIATION FILTER SYS	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION:
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SA851 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: N-29									
P.O #: 435220									
PLANT LOC.: AB51									
COORDINATES X- 1650. Y- 1750. Z- 305.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-1312

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :RE21AV 3509-1 S

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1313

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : RE21AV 3509-2 S A	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE				SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: RADIATION PRIMARY ELEMENT	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY				SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : GENERAL ATOMIC	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE PLANT STACK ACCIDENT RADIATION ANALYZER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: N-29								
P.O #: 435220								
PLANT LOC.: AB51								
COORDINATES X- 1649. Y- 176C. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-1313

REVISION # : 00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : RE21AV 3509-2 S

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NUP - 1 | NSSS: WESTINGHOUSE - PWR | 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES 1318

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FT 21AV 3509 SA	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE									
COMPONENT: FLOW TRANSMITTER	TEMPERATURE				SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
MANUFACTURER:LATER									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY				SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE PLANT STACK ISOKINETIC FLOW	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	RADIATION GAMMA BETA B SHIELD T.I.D.	 3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:IN41									
P.O #:435141	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1650.0 Y- 1760.0 Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-1318

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :FT 21AV 3509 SA

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]1453

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V2SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: SOLENOID OPERATED VALVE									
MANUFACTURER: TARGET ROCK CORP	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL # : 79Q-006	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE VALVE ON TUBING RUN FROM RCS PRESSURIZER STEAM SPACE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-73A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1518. Y- 163C. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

DSRP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES: (1)T-R REPORT 2804C AGING,SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING,SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1453

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V2SA-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-1455

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V12SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 180 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.60F13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID OPERATED VALVE									REPLACEMENT: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : WESTINGH'SE									SUBCOMPONENTS:
MODEL AND SERIAL #: 790-006	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE VALVE ON TUBING RUN FROM RCS PRESSURIZER STEAM SPACE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 24830. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
SPECIFICATIONS: M-73A									
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1511. Y- 1610. Z- 251.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING, SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1455

REVISION # :00
DATE :09/18/84

SYSTEM : SAMPLING SYSTEM
TAG : 2SP-V12SA-1

EQ. PCK # : 3.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBASC[illegible] /ICES INC. FACILITY: SHEARON HARR[illegible] P - 1 NSSS: WESTINGHOUSE - PWR R[illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible] 1473

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V23SA-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID OPERAT ED VALVE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:TARGET ROCK CORP MAJOR SUPPLIER : WESTINGH'SE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # 79Q-006 FUNCT.DES: & SERVICE VALVE ON TUBIN G RUN FROM RCS HOT LEGS OUTSI DE CONTAINMENT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTES:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPER-ATING CYCLES LIMIT -ED TO 28.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-73A P.O #:435243 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1511. Y- 1630. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING,SEIS -MIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING,SEIS -MIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1473

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V23SA-1

A/E: E[illegible] SERVICES INC.
UTILI[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] NPP - 1
COMPONENT EVALUATI[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]ES#-1475

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V120SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : WESTINGHOUSE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
MODEL AND SERIAL #: 79Q-005	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: S/G-A BLDWN TO SIG SAMPLE COOLER-A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: M-73A									
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1430. Y- 1687. Z- 255.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING,SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING,SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1475

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V120SA-1

EQ. PCK # : 3.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1476

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V121SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS. NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.60F13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : WESTINGH*SE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: 790-005	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	PAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
FUNCT.DES: & SERVICE S/G-B BLDWN TO S/G SAMPLE COOLER-B	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-73A									
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1492. Y- 1630. Z- 255.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING, SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1476

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V121SA-1

EQ. PCK # : 3.1SH1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

V#- 0
[illegible]-1477

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V122SA-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID OPERATED VALVE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.60F13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER: WESTINGHOUSE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: 79Q-005	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
FUNCT.DES: & SERVICE: S/G-C BLDWN TO S/G SAMPLE COOLER-C	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
SPECIFICATIONS: M-73A P.O #: 435243 PLANT LOC.: AB21 COORDINATES X- 158[illegible]. Y- 168[illegible]. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING, SEIS-MIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEIS-MIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1477

REVISION # :00
DATE :09/18/84

SYSTEM : SAMPLING SYSTEM
TAG : 2SP-V122SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1486

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V116SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : WESTINGH'SE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
MODEL AND SERIAL #: 790-005	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.3E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES & SERVICE: ACCUMULATOR SAMPLE HEADER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-73A

P.O #: 435243

PLANT LOC.: AB21

COORDINATES X- 1520.
Y- 1635.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES: (1)T-R REPORT 2804C AGING, SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1486

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V116SA-1

A/E: EBASC[illegible] /ICES INC. FACILITY: SHEARON HARR[illegible] P - 1 NSSS: WESTINGHOUSE - PWR R[illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]1488

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V302SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : WESTINGH'SE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
MODEL AND SERIAL #: 79Q-018	RADIATION A BETA D R SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LINE THROUGH CONT PEN M738 FROM REM 3502A -SA	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-73A									
P.O #:435243									
PLANT LOC.: AB21									
COORDINATES X- 1455. Y- 1645. Z- 255.1									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

L588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES: (1)T-R REPORT 2804C AGING, SEIS-MIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEIS-MIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1488

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V302SB-1

EQ. PCK # : 3.1SH1

QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR IN- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1489

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V304SA-1	OPERABIL-ITY NORM/TEST	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE									
COMPONENT: SOLENOID OPERATED VALVE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	FAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : WESTINGHOUSE									SUBCOMPONENTS:
MODEL AND SERIAL #: 799-018	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: LINE THROUGH CONT PEN M73B FROM REM 3502A -SA	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D.
ACCUR. SPEC: NOT APPLICABLE									(2)POST DBA OPERATING CYCLES LIMITED TO 28.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-73A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1455. Y- 1645. Z- 255.5	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.1SH1
TEMPERATURE	T	3.1SH1
PRESSURE	P	3.1SH1
REL. HUMDTY	H	3.1SH1
CHEM. SPRAY	C	3.1SH1
RADIATION	R	3.1SH1
AGING	A	3.1SH1
SUBMERGENCE	S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING, SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1489

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V304SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES# 1491

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V303SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : WESTINGHOUSE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: (1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 24830. (2)POST DBA OPERATING CYCLES LIMITED TO 28.
MODEL AND SERIAL #: 79Q-018	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONT PEN M73A TO REM 1LT-3502A-SA	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-73A									
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1455. Y- 1645. Z- 255.2									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES: (1)T-R REPORT 2804C AGING, SEISMIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEISMIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1491

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V303SB-1

EQ. PCK # : 3.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-1492

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V305SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR POST DBA	40YRS NORM 1900 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.6OF13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : WESTINGHOUSE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: 790-018	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35E8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: LINE THROUGH CONT PEN M73A TO REM ILT-3502A-SA	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-73A									
P.O #: 435243									
PLANT LOC.: AB21									
COORDINATES X- 1455. Y- 1645. Z- 255.6									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 3.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING, SEIS-MIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING, SEIS-MIC & ACCIDENT SIMULATION TEST.

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTES:
(1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2433D.
(2)POST DBA OPERATING CYCLES LIMITED TO 28.

SAFETY FUNCTION: CI

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1492

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V305SA-1

A/E: EBA[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1497

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SP-V314SP-1	OPERABILITY NORM/TEST	40YRS NORM 1YR POST DBA	40YRS NORM 1800 CYC 28 CYC 1YR POST DBA	OPER. REVIEW	REF (2) SRSO 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	P.60F13REF (2)APP A DATA SHT 2 SRST 3.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
COMPONENT: SOLENOID OPERATED VALVE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	APP A DATA SHT 2,2A & 2B REF(2) SRSP 3.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: TARGET ROCK CORP	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.6 OF 13 SECT 4.1.1APP A SRSH 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : WESTINGHOUSE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: 79Q-018	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.35F8	RAB21R6 FSAR SEC 3.11B	APP C REF (2) SRSR 3.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SP LINE TO HY ANALYZER SKID-SB	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(2) P.6 OF 13 APP A SRSA 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-73A									
P.O #:435243									
PLANT LOC.: AB21									
COORDINATES X- 1560. Y- 1662. Z- 255.3									

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTES:
(1)P.19 OF 23 SECT 9.0 RPT 2804C & TECH MANUAL RPT 2483D.
(2)POST DBA OPERATING CYCLES LIMIT-ED TO 28.

SAFETY FUNCTION: CI

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.1SH1
TEMPERATURE T	3.1SH1
PRESSURE P	3.1SH1
REL. HUMDTY H	3.1SH1
CHEM. SPRAY C	3.1SH1
RADIATION R	3.1SH1
AGING A	3.1SH1
SUBMERGENCE S	3.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.1SH1

REFERENCES:
(1)T-R REPORT 2804C AGING,SEIS-MIC & ACCIDENT CONDITIONS.
(2)T-R REPORT 2375C AGING,SEIS-MIC & ACCIDENT SIMULATION TEST.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.1SH1

CES#-1497

REVISION # :00
DATE :09/18/84

SYSTEM :SAMPLING SYSTEM
TAG :2SP-V314SB-1

EQ. PCK # : 3.1SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1505

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D10SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TA841A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PA841 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NH-96	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HA841 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA841 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RA84117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1557. Y- 1616. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA841 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1505

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D10SB-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NP - 1 | NSSS: WESTINGHOUSE - PWR | R. 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES 1506

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D10SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100X00 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL # : EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1557. Y- 1616. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1506

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D10SB-1

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-1511

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D17SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND: SERIAL # NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: RE-25									
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1427. Y- 1604. Z- 298.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1511

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D17SA-1

EQ. PCK # : 3.10SH1

G588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

A/E: EBASCO VICES INC.
UTILITY: C INA POWER & LIGHT

FACILITY: SHEARON HARR P - 1
COMPONENT EVALUATION S

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

0
CE 512

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D17SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-081 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-081 OF REF(1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1427. Y- 1604. Z- 298.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.2SH1
TEMPERATURE	T 9.2SH1
PRESSURE	P 9.2SH1
REL. HUMDTY	H 9.2SH1
CHEM. SPRAY	C 9.2SH1
RADIATION	R 9.2SH1
AGING	A 9.2SH1
SUBMERGENCE	S 9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1512

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AC-D17SA-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: [illegible].O SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-1513

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-018SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: ELECTRO-HYD OPERATOR	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
MANUFACTURER: ITT									MAINTAIN.: REF(2)
MAJOR SUPPLIER: RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND SERIAL #: NH96	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YPS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1422. Y- 1607. Z- 300.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

OSB8 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1513

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-018SA-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES 1514

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D18SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	FAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1422. Y- 1607. Z- 300.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1514

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AC-D18SA-1

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]IS NPP - 1
COMPONENT EVALUATI[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

REV#- 0
[illegible]ES#-1515

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	W/M (6)	OUTS ITEMS (7)
TAG NO : AC-D19SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND SERIAL #: NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB41

COORDINATES X- 1565.
Y- 1632.
Z- 294.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 3.10SH1
TEMPERATURE	T 3.10SH1
PRESSURE	P 3.10SH1
REL. HUMDTY	H 3.10SH1
CHEM. SPRAY	C 3.10SH1
RADIATION	R 3.10SH1
AGING	A 3.10SH1
SUBMERGENCE	S 3.10SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.10SH1

CES#-1515

REVISION # : 00
DATE : 09/14/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AC-D19SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR K 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SH CAPACITY:900 MW(E) CES 1516

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D19SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: RE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1565. Y- 1632. Z- 294.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1.

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1516

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D19SB-1

A/E: EBAS[redacted]ERVICES INC. FACILITY: SHEARON HAR[redacted]NPP - 1 NSSS: WESTINGHOUSE - PWR [redacted] 0
UTILITY: [redacted]LINA POWER & LIGHT COMPONENT EVALUATION [redacted] CAPACITY:900 MW(E) [redacted]-1517

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D20SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPE RATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER:ITT									
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NH96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1571. Y- 1683. Z- 294.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1517

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D20SB-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1518

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D2DSB-1 EQUIPMENT: TYPE DAMPER	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: AB41	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1571. Y- 1683. Z- 294.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1518

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D2DSB-1

EQ. PCK # : 9.2SH1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#1527

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D5SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER:ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND: SERIAL # NH-96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB41									
COORDINATES X- 1574. Y- 1688. Z- 297.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.10SH1
TEMPERATURE	T	3.10SH1
PRESSURE	P	3.10SH1
REL. HUMDTY	H	3.10SH1
CHEM. SPRAY	C	3.10SH1
RADIATION	R	3.10SH1
AGING	A	3.10SH1
SUBMERGENCE	S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1527

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D5SB-1

EQ. PCK # : 3.10SH1

D588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-1528

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AC-D5SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB41								
COORDINATES X- 1574. Y- 1688. Z- 297.0								

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1528

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D5SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1531

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AC-D7SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: ELECTRO-HYD OPE RATOR	PRESSURE	ATMOS NORM ATMOS DBA	9MH2O	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND: NH-96 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: DAMPER & SERVICE OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB41								
COORDINATES X- 1442. Y- 1618. Z- 295.0								

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

DSBB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1531

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D7SA-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-1532

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D7SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1442. Y- 1618. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1532

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D7SA-1

A/E: EBAS[illegible]VICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-1533

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-DRSA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND: SERIAL # NH-96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1456. Y- 1618. Z- 295.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1533

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D8SA-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1534

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D8SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: EA-180 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205 PLANT LOC.: AB41	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1456. Y- 1618. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1534

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D8SA-1

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]#-1535

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AC-D9SB-1 EQUIPMENT: TYPE DAMPERS COMPONENT: ELECTRO-HYD OPERATOR MANUFACTURER: ITT MAJOR : SUPPLIER RUSKIN MODEL AND: SERIAL # NH-96 FUNCT.DES: & SERVICE DAMPER OPERATOR ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB41 COORDINATES X- 1545. Y- 1616. Z- 295.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB41A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB41 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB41 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	5.0E6 NORM & DBA	RAB4117 FSAR SEC 3.11B	REF(1)P-6 SPSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1535

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D9SB-1

EQ. PCK # : 3.10SH1

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E) CES#-1536

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D9SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1545. Y- 1616. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1536

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D9SB-1

A/E: EBASC[illegible] VICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]538

EQUIPMENT DESCRIPTION	PARAMETER (1)	ACTUAL (1)	DEM. QUALIF. (2)	ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-10(1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8 2.04E8	RAB21R6 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105.									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
COORDINATES X- 1450. Y- 1614. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1538

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-10(1A-SA)

A/E: EBASC[illegible] .VICES INC. FACILITY: SHEARON HARR[illegible]P - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) L[illegible]540

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-10(1B-SB)	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: DRIVE FAN									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8 2.04E8	RAB21R6 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105									
PLANT LOC.: AB21									
COORDINATES X- 1510. Y- 1614. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1540

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-10(1B-SB)

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-1542

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-11(1A-SA)	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR : BAHNSON SUPPLIER									SUBCOMPONENTS:
MODEL AND: RM INSULATION SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DRIVE FAN & SERVICE									
	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8 2.04E8	RAB21R6 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1479. Y- 1613. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1542

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-11(1A-SA)

A/E: EBASC[illegible] /ICES INC. FACILITY: SHEARON HARRI[illegible]P - 1 NSSS: WESTINGHOUSE - PWR R[illegible] 0
UTILITY: C[illegible]INA POWER & LIGHT COMPONENT EVALUATION SH[illegible] CAPACITY:900 MW(E) CE[illegible]544

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-11(1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									
MODEL AND SERIAL # : RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DRIVE FAN									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D R SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8 2.34E8	RAB21R6 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1496. Y- 1613. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1544

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-11(1B-SB)

A/E: EBAS[illegible] .VICES INC. FACILITY: SHEARON HARR[illegible]P - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]1546

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-12(1A-SA) EQUIPMENT: AIR HANDLING UN TYPE IT	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: MOTOR	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
MANUFACTURER:RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB41 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR : BAHNSON SUPPLIER									SUBCOMPONENTS:
MODEL AND: RH INSULATION SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DRIVE FAN & SERVICE									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB41 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8 2.04E8	RAB4117 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS:BE-08 P.O #:435105 PLANT LOC.: AB41	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1438. Y- 1616. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB41 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1546

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-12(1A-SA)

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1548

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-12(1B-SA)	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB41 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR : BAHNSON SUPPLIER									SUBCOMPONENTS:
MODEL AND: RH INSULATION SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DRIVE FAN & SERVICE	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB41 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.34E8 2.34E8	RAB4117 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105									
PLANT LOC.: AB41									
COORDINATES X- 1458. Y- 1616. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB41 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 4.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1548

REVISION # :00
DATE :07/06/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AH-12(1B-SA)

A/E: EBASC IVICES INC. FACILITY: SHEARON HARR PP - 1 NSSS: WESTINGHOUSE - PWR U
UTILITY: INA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) -1550

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-13(1A-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB41 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB41 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8 2.04E8	RAB4117 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105									
PLANT LOC.: AB41									
COORDINATES X- 1542. Y- 1615. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB41 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1550

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-13(1A-SB)

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]1552

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-13(1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE.	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB41 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB41 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8 2.04E8	RAB4117 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1561. Y- 1615. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB41 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1552

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-13(1B-SB)

EQ. PCK # : 4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR N[illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]1554

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : AH-15(1A-SA)	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.04E8	RAB5125 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105									
PLANT LOC.: AB51									
COORDINATES X- 1614. Y- 1680. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

C588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1554

REVISION # :00
DATE :07/06/84

SYSTEM :CONTROL ROOM HVAC
TAG :AH-15(1A-SA)

A/E: EBA[illegible] RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1556

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-15(1B-SB) EQUIPMENT: AIR HANDLING UNIT TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: MOTOR	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	FAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR : SUPPLIER BAHNSON	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # RH INSULATION FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.34E8	RAB5125 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08 P.O #: 435105 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1610. Y- 1663. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1556

REVISION # :00
DATE :07/06/84

SYSTEM :CONTROL ROOM HVAC
TAG :AH-15(1B-SB)

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] S NPP - 1
COMPONENT EVALUATI[illegible] HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]ES#-1558

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-16(1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE MAJOR SUPPLIER : BAHNSON	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: RH INSULATION SERIAL #	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
FUNCT.DES: DRIVE FAN & SERVICE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.04E8	RAB5125 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS:BE-08 P.O #:435105 PLANT LOC.: AB51 COORDINATES X- 1637. Y- 1680. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 —— FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1558

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-16(1A-SA)

EQ. PCK # : 4.2SH1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1560

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AH-16(1B-SP)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	N	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DRIVE FAN									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.04E8	RAB5125 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1637. Y- 1663. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

USBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1560

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-16(1B-SB)

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES 1574

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-23(1X-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNITS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR SUPPLIER : BAHNSON									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8 2.74E8	RAB21R6 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1545. Y- 176C. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1574

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-23(1X-SA)

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1576

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-24(1X-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNITS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB31 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB31 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8 2.04E8	RAB3111 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB31 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB31									
COORDINATES X- 1451. Y- 1623. Z- 261.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

QS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1576

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-24(1X-SA)

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]FT CAPACITY:900 MW(E) [illegible]-1578

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AH-25(1X-SB) EQUIPMENT: TYPE AIR HANDLING UNITS	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: MOTOR	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB31 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR SUPPLIER : BAHNSON	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # RH INSULATION FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB31 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8 2.04E8	RAB3111 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08 P.O #: 435105 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1553. Y- 1623. Z- 263.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB31 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1, 1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1578

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-25(1X-SB)

EQ. PCK # : 4.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1582

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-26(1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB31 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR. MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER: BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB31 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8 2.74E8	RAB3111 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB31 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB31									
COORDINATES X- 1552. Y- 1758. Z- 261.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1, 1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1582

REVISION # :00
DATE :07/06/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AH-26(1B-SB)

EQ. PCK # : 4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1584

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-28(1A-SA) EQUIPMENT: TYPE AIR HANDLING UNIT COMPONENT: MOTOR MANUFACTURER: RELIANCE MAJOR SUPPLIER : BAHNSON MODEL AND: SERIAL # RH INSULATION FUNCT.DES: & SERVICE DRIVE FAN ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: BE-08 P.O #: 435105 PLANT LOC.: AB11 COORDINATES X- 1424. Y- 1650. Z- 216.0 INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL MAINTAIN.: SEE INSTR MANUAL SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB11 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB11 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB11 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.34E8 2.34E8	RAB11R3 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB11 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1584

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-28(1A-SA)

EQ. PCK # : 4.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1586

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-28(1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS.DBA	ATMOS NORM ATMOS NORM	PAB11 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR SUPPLIER : BAHNSON									SUBCOMPONENTS:
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB11 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DRIVE FAN									
	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB11 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8 2.04E8	RAB11R3 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-08									
P.O #: 435105	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1575. Y- 1636. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB11 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1586

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-28(1B-SB)

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1590

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-5 (1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB01 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB01 FSAR SEC 3.11B	REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB01 FSAR SEC 3.11B	NA SRSC 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.04E8 2.04E8	RAB01R1 FSAR SEC 3.11B	REF 1 P6.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 P6.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	NA	SAB01 FSAR SEC 3.11B	NA SRSS 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB01									
COORDINATES X- 1428. Y- 1614. Z- 191.2									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1590

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-5 (1A-SA)

EQ. PCK # :. 4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EDS SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1592

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-5 (1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB01 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HAB01 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB01 FSAR SEC 3.11B	NA SRSC 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.04E8 2.04E8	RAB01R1 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB01									
COORDINATES X- 1573. Y- 1614. Z- 191.2	SUBMERGED LEVEL	191.0 FEET	NA	SAB01 FSAR SEC 3.11B	NA SRSS 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1592

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG. HVAC
TAG :AH-5 (1B-SB)

EQ. PCK # : 4.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR N 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION S CAPACITY:900 MW(E) CES 1594

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-6 (1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR									MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BAHNSON									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8 2.04E8	RAB21R7 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435105									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
COORDINATES X- 1423. Y- 1549. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

DOBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1594

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-6 (1A-SA)

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]N- 0
[illegible]-1596

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AH-6 (1B-SB) EQUIPMENT: TYPE AIR HANDLING UNIT COMPONENT: MOTOR MANUFACTURER:RELIANCE MAJOR : SUPPLIER BAHNSON MODEL AND: SERIAL # RH INSULATION FUNCT.DES: & SERVICE DRIVE FAN ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-08 P.O #:435105 PLANT LOC.: AB21 COORDINATES X- 1446. Y- 1549. Z- 236.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC *QUALIF: QUALIFIED-AWAITING *STATUS CONFIRMATORY DATA	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	T	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8 2.04E8	RAB21R7 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE

REPLACEMENT: SEE INSTR MANUAL
MAINTAIN.: SEE INSTR MANUAL
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1596

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-6 (1B-SB)

EQ. PCK # : 4.2SH1

A/E: EB[illegible]J SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1598

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-7 (1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8 2.04E8	RAB21R7 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-08

P.O #: 435105

PLANT LOC.: AB21

COORDINATES X- 1534.
Y- 1554.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT, REV 2, DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1598

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-7 (1A-SA)

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1600

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-7 (1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8 2.04E8	RAB21R7 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-08

P.O #: 435105

PLANT LOC.: A821

COORDINATES X- 1561.
Y- 1546.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES:
1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1600

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-7 (1B-SB)

A/E: EBAS[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-1602

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-8 (1X-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.04E8 2.04E8	RAB211C FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB21									
COORDINATES X- 1601. Y- 1575. Z- 251.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1602

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-8 (1X-SB)

EQ. PCK # : 4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1616

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-9(1A- SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UNIT TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8 2.04E8	RAB21R7 FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-08									
P.O #: 435105									
PLANT LOC.: AB21									
COORDINATES X- 1500. Y- 1585. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1616

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-9(1A- SA)

EQ. PCK # : 4.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-1618

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AH-9(1B- SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: AIR HANDLING UN TYPE IT	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS NORM	PAB21 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF 1 PG.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BAHNSON	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB21 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8 2.04E8	RAB21R6. FSAR SEC 3.11B	REF 1 PG.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 PG.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB21 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-OR									
P.O #: 435105									
PLANT LOC.: AB21									
COORDINATES X- 1530. Y- 1614. Z- 236.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT, REV 2,DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1618

REVISION # :00
DATE :07/06/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AH-9(1B- SB)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D10SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1414. Y- 1694. Z- 271.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1706

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D10SB-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS ERVICES INC. FACILITY: SHEARON HAR NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: OLINA POWER & LIGHT COMPONENT EVALUATION ET CAPACITY:900 MW(E) -1707

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D10SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERA TOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-415	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSI TION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1414. Y- 1694. Z- 271.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1707

REVISION # :00
DATE :

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D10SB-1

A/E: EBA[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1708

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D10SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG F1A-3.2SH1	TAB31A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG F2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB31 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.0E8 2.0E8	RAB3111 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB31									
COORDINATES X- 1414. Y- 1694. Z- 271.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1708

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D10SB-1

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1709

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D11SA-1	OPERABIL-ITY NORM/TEST	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1497. Y- 1597. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1709

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D11SA-1

EQ. PCK # : 9.2SH1

A/E: EBA[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1710

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D11SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : PUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	RADIATION GAMMA BETA B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1497. Y- 1597. Z- 247.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1710

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D11SA-1

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBI SERVICES INC. FACILITY: SHEARON H. S NPP - 1 NSSS: WESTINGHOUSE - PWR W#- 0
UTILITY ROLINA POWER & LIGHT COMPONENT EVALUATIO ET CAPACITY:900 MW(E) #-1711

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D11SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO									
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.3E8 2.3E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: RE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1497. Y- 1597. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1711

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D11SA-1

EQ. PCK # : 3.2SH1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]S#-1712

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D12SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1493. Y- 1603. Z- 246.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1712

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D12SB-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-1713

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D12SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1493. Y- 1603. Z- 246.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1713

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D12SB-1

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-1714

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D12SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	FAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1493. Y- 1603. Z- 246.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1714

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D12SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON H.[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1715

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D13SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1417. Y- 1597. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1715

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D13SA-1

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]# - 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1716

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D13SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE: DAMPER	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	RADIATION GAMMA BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT. DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1417. Y- 1597. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 42.2SH1

CES#-1716

REVISION # : 00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D13SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1717

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D13SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: SERIAL # NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1417. Y- 1597. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1717

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D13SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1718

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D14SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	3.6E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1420. Y- 1605. Z- 245.0									

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1718

REVISION # :J0
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D14SB-1

EQ. PCK # : 9.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:90[illegible] MW(E) [illegible]S#-1719

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D14SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1420. Y- 1605. Z- 245.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1719

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D14SB-1

A/E: EBASC[illegible]VICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]720

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (5)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D14SB-1 EQUIPMENT: DAMPER TYPE	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: SOLENOID VALVE MANUFACTURER:ASCO	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1420. Y- 1605. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AOR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-172U

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D14SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: [redacted] O SERVICES INC. FACILITY: SHEARON [redacted] IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[redacted] CAROLINA POWER & LIGHT COMPONENT EVALUATI[redacted] HEET CAPACITY:900 MW(E) [redacted]ES#-1721

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D15SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR : PUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: EA-180-213C2 SERIAL #	RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.04E8	RAB211C FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1595. Y- 1695. Z- 244.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1721

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D15SA-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1722

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D15SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	95F NORM 95F DBA	LATER	TYD31R FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HYD31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB211U FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1595. Y- 1695. Z- 244.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 42.2SH1

CES#-1722

REVISION # : 00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D15SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1723

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D15SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	95F NORM 95F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TYD31R FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG F2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	10-100%NRM 100% DBA	NORM:40% DBA:100%	HYD31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: SERIAL # NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.0E8 2.0E8	RAB211G FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR-PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1595. Y- 1695. Z- 244.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1723

REVISION # :00
DATE :09/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D15SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D16SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	NOT AVAILABLE	104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1706. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1724

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D16SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1725

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-016SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1706. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

OSPB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1725

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-016SB-1

EQ. PCK # : 42.2SH1

*QUALIF: LATER
*STATUS

A/E: EBA[illegible] SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
CES#-1726

EQUIPMENT DESCRIPTION

TAG NO : AV-D16SB-1

EQUIPMENT: DAMPER
TYPE

COMPONENT: SOLENOID VALVE

MANUFACTURER: ASCO

MAJOR : RUSKIN
SUPPLIER

MODEL AND: NP8320A173E
SERIAL #

FUNCT.DES: CONTROL AIR PR
& SERVICE ESSURE IN PNEU
MATIC OPERATOR
CYLINDER

ACCUR. SPEC: NOT
APPLICABLE

ACCUR. DEM.: NOT
APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1582.
Y- 1706.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
TEMPERATURE	NOT AVAILABLE	NORM:120F DBA:SEE FIG E1A-3.2SH1		NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C SUBCOMPONENTS:
RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.D-1	NORM:40% DBA:100%		NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

OSBP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1726

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D16SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]4-1727

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-017SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9. DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1678. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1727

REVISION # :00
DATE :09/13/84

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-017SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1728

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D17SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100[illegible]00 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.94F8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1678. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

10CFR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1728

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D17SA-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1729

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D17SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1678. Z- 236.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1729

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D17SA-1

EQ. PCK # : 42.2SH1

*QUALIF: LATER
*STATUS

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible], NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1729

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : AV-D17SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPER ATOR									
MANUFACTURER:BETTIS	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: CB-315 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: HOLD DAMPER IN & SERVICE REQUIRED POSI TION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1678. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1729

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D17SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1730

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D18SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180-21302	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. DEV.: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1674. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK.# : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1730

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D18SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1731

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D18SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1429. Y- 1674. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 42.2SH1

CES#-1731

REVISION # : 00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D18SB-1

EQ. PCK # : 42.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1732

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D18SB-1 EQUIPMENT: DAMPER TYPE	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE:
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-25	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1429. Y- 1674. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1732

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D18SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1733

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : AV-D19SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-21302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.56.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1476. Y- 1569. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1733

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D19SA-1

A/E: EBAS[illegible] SERVICES INC. | FACILITY: SHEARON HAR[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]# - 0
UTILITY: [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]T | CAPACITY:900 MW(E) | [illegible]-1734

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D19SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1476. Y- 1569. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1734

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D19SA-1

EQ. PCK # : 42.2SH1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1735

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL	ENVIRONMENT DEM. QUALIF.	DOCUMENTATION ACTUAL	DOCUMENTATION DEM. QUALIF.	QUALIF. METHOD	H/M	OUTS ITEMS	
	1		2	3	4	5	6	7	
TAG NO : AV-D19SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1476. Y- 1569. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1735

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D19SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:960 MW(E) [illegible]-1736

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D20SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180-21302 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1476. Y- 1567. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1736

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D20SB-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]# - 0
[illegible]-1737

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D20SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1476. Y- 1567. Z- 236.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1737

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D20SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]# 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1738

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D20SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: NP8320A173E SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1476. Y- 1567. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1738

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D20SB-1

A/E: EBAS[illegible] EPVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1739

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-021SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TA021A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PA021 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HA021 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180-21302									
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA021 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RA021R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1522. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA021 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1739

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-021SA-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1740

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D21SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1522. Y- 1568. Z- 242.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1740

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D21SA-1

A/E: EBAS[illegible] .ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1741

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D21SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH2.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA								
	D B SHIELD	100%							
	S T.I.D.	2.6E4	2.0E8						
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1522. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1741

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D21SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1745

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D23SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER: RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1499. Y- 1566. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1745

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D23SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1746

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D23SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	RADIATION GAMMA BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE . HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-25								
P.O #:435205								
PLANT LOC.: AB21								
COORDINATES X- 1499. Y- 1568. Z- 242.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 42.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	42.2SH1
TEMPERATURE	T	42.2SH1
PRESSURE	P	42.2SH1
REL. HUMDTY	H	42.2SH1
CHEM. SPRAY	C	42.2SH1
RADIATION	R	42.2SH1
AGING	A	42.2SH1
SUBMERGENCE	S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1746

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D23SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1747

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D23SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	FAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1499. Y- 1568. Z- 242.0								

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE: 1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1747

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D23SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]# - 0
[illegible]-1748

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D24SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B'SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (FER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1499. Y- 1567. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1748

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D24SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1749

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D24SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1499. Y- 1567. Z- 236.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1749

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D24SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1750

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D24SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0ER 2.0ER	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1499. Y- 1567. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1750

REVISION # :30
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D24SB-1

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1751

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D25SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1568. Z- 242.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.2SH1
TEMPERATURE	T 9.2SH1
PRESSURE	P 9.2SH1
REL. HUMDTY	H 9.2SH1
CHEM. SPRAY	C 9.2SH1
RADIATION	R 9.2SH1
AGING	A 9.2SH1
SUBMERGENCE	S 9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1751

REVISION # :00
DATE :09/18/86

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D25SA-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1752

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D25SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1452. Y- 1568. Z- 242.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 42.2SH1

CES#-1752

REVISION # : 00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D25SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1753

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D25SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0ER 2.0ER	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1753

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D25SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1754

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D26SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1567. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1754

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D26SB-1

EQ. PCK # : 9.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1755

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D26SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1567. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1755

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D26SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET , CAPACITY:900 MW(E) [illegible]#-1756

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D26SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER . TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-25								
P.O #:435205								
PLANT LOC.: AB21								
COORDINATES X- 1452. Y- 1567. Z- 236.0								

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1756

REVISION # :00
DATE :08/13/84

EQ. PCK # : 3.2SH1

D588 CATEG.: A
APPENDIX E

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D26SB-1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-1757

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D27SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1565. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1757

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D27SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1758

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D27SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1565. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1758

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D27SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

U588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1759

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D27SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER & SERVICE									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0ER 2.0ER	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-6 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1565. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1759

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D27SA-1

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-1760

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D28SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1572. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES[illegible]-1760

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D28SB-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-1761

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D28SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TA821A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PA821 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HA821 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CA821 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RA821R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SA821 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-25								
P.O #:435205								
PLANT LOC.: AB21								
COORDINATES X- 1543. Y- 1572. Z- 236.0								
INSTALLED (Y/N): LTR								
INSTAL. REF:BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1761

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D28SB-1

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: LATER
*STATUS

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1762

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D28SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 50C	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1572. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1762

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D28SB-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:90[illegible] MW(E) [illegible]-1763

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D29SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	NOT AVAILABLE	104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: EA-180-21302 SERIAL #	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.D-1	100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.34E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1410. Y- 1691. Z- 221.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1763

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D29SA-1

EQ. PCK # : 9.1SH1

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]1764

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D29SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:BE-25

P.O #:435205

PLANT LOC.: AB11

COORDINATES X- 1410.
Y- 1691.
Z- 221.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1764

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D29SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-1765

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D29SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE								
COMPONENT: SOLENOID VALVE	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
MANUFACTURER:ASCO								
MAJOR SUPPLIER: RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.D-1	LATER		LATER SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPER OR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE								
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-25								
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB11								
COORDINATES X- 1410. Y- 1691. Z- 221.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1765

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D29SA-1

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

EQ. PCK # : 3.2SH1

OSRP CATEG.: A
APPENDIX E

*QUALIF: LATER
*STATUS

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]P - 1
COMPONENT EVALUATION SH[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

C[illegible]769.

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D30SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.94E8	RAB11R3 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-25								
P.O #:435205								
PLANT LOC.: AB11								
COORDINATES X- 1414. Y- 1691. Z- 221.0								

REPLACEMENT:
P.D79-D81 OF REF(1)
MAINTAIN.:
P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1769

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D30SB-1

EQ. PCK # : 9.2SH1

A/E: [illegible]CO SERVICES INC. FACILITY: SHEARON[illegible]RIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1770

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D30SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB11								
COORDINATES X- 1414. Y- 1691. Z- 221.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								
EQ. PCK # : 42.2SH1								

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1770

REVISION # :00
DATE :

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D30SB-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HA[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]1771

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D30SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB11 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB11 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.0ER 2.0ER	RAB11R3 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB11

COORDINATES X- 1414.
Y- 1691.
Z- 221.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1771

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D30SB-1

ITY: CAROLINA [illegible]ER & LIGHT — COMPONENT EVALUATION SHEET

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOC[illegible]ITATION ACTU[illegible] (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	(6)	ITEMS (7)	
G NO : AV-D31SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
IUIPMENT: DAMPERS /PE	TEMPERAT-URE	NOT AVAILABLE	104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
OMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
IANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1587. Y- 1710. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1772

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D31SA-1

EQ. PCK # : 9.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBA[illegible] .ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-1773

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-031SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # CB-415-SR	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:PE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1587. Y- 1710. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC	PARAMETER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1
*QUALIF: LATER *STATUS *	OPERABILITY	O 42.2SH1							CES#-1773
	TEMPERATURE	T 42.2SH1							
	PRESSURE	P 42.2SH1							
	REL. HUMDTY	H 42.2SH1							
	CHEM. SPRAY	C 42.2SH1	REFERENCES:						
	RADIATION	R 42.2SH1							
	AGING	A 42.2SH1							REVISION # :00 DATE :
	SUBMERGENCE	S 42.2SH1							
EQ. PCK # : 42.2SH1	0588 CATEG.: A APPENDIX E								SYSTEM :REAC.AUX.BLDG HVAC TAG :AV-031SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-1774

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D31SA-1 EQUIPMENT: TYPE DAMPER	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	NOT AVAILABLE	NORM:120F DBA:SEE FIG E1A-3.2SH1		NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	NORM:40% DBA:100%		NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB11 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.0ER 2.0ER	RAB11R3 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1587. Y- 1710. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1774

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D31SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) 1775

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D32SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1580. Y- 1692. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1775

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BL96 HVAC
TAG :AV-D32SB-1

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]# - 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]-1776

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : AV-D32SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-415-SR	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB11								
COORDINATES X- 1580. Y- 1692. Z- 216.0								
INSTALLED (Y/N): LTR								

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1776

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D32SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1777

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D32SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB11 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB11 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.0ER 2.0E8	RAB11R3 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1580. Y- 1692. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1777

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D32SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1781

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D34SB-1 EQUIPMENT: DAMPERS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180-21302 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1553. Y- 1603. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 9.2SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1781

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D34SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1782

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D34SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1553. Y- 1603. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1782

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D34SB-1

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]V- 0
UTILITY [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]-1783

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D34SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1553. Y- 1603. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC	PARAMETER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1
******** *QUALIF: QUALIFIED-AWAITING *STATUS CONFIRMATORY DATA * * ********	OPERABILITY TEMPERATURE PRESSURE REL. HUMDTY CHEM. SPRAY RADIATION AGING SUBMERGENCE	O 3.2SH1 T 3.2SH1 P 3.2SH1 H 3.2SH1 C 3.2SH1 R 3.2SH1 A 3.2SH1 S 3.2SH1	REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982						CES#-1783
EQ. PCK # : 3.2SH1	0588 CATEG.: A APPENDIX E								REVISION # :00 DATE :08/13/84 SYSTEM :REAC.AUX.BLDG HVAC TAG :AV-D34SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1784

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D35SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB01 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-213G2	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB01R2 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. DEM.: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB01									
COORDINATES X- 1584. Y- 1643. Z- 206.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1784

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D35SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible] HEET CAPACITY:900 MW(E) [illegible] S#-1785

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D35SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB01A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB01 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB01 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB01 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB01R2 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	LATER	SAB01 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB01									
COORDINATES X- 1584. Y- 1643. Z- 206.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1785

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D35SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-1786

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/K (6)	OUTS ITEMS (7)	
TAG NO : AV-D35SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB01A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO									MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB01 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB01 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB01 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.0E8 2.0E8	RAB01R2 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB01									
COORDINATES X- 1584. Y- 1643. Z- 206.0	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH, 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1786

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D35SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EVN- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-1787

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D36SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB01 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.04E8	RAB01R1 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB01									
COORDINATES X- 1581. Y- 1638. Z- 190.0	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	N	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1.

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1787

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D36SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1788

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-036SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB01A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB01 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB01 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER: RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB01 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	LATER	RAB01R1 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	LATER	SAB01 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB01									
COORDINATES X- 1581. Y- 1638. Z- 190.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1788

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-036SB-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | :V#- D
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-1789

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D36SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB01A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO									MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB01 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB01 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB01 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.9E4	2.0E8	RAB01R1 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA	7.2E4							
	D B SHIELD	100%							
	S T.I.D.	2.9E4	2.0E8						
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB01									
COORDINATES X- 1581. Y- 1638. Z- 190.0	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1789

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG. HVAC
TAG :AV-D36SB-1

EQ. PCK # : 3.2SH1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-1790

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D37SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1458. Y- 1594. Z- 249.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1790

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D37SA-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] :RVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1791

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D37SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPER ATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSI TION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1458. Y- 1594. Z- 249.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1791

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D37SA-1

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

QS88 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1792

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D37SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: SERIAL # NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:RE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1458. Y- 1594. Z- 249.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN; NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1792

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D37SA-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1793

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D38SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	7.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1464. Y- 1603. Z- 236.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1793

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D38SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1794

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D38SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1464. Y- 1603. Z- 236.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1794

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D38SB-1

EQ. PCK # : 42.2SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HARI[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR '4- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-1795

EQUIPMENT DESCRIPTION	PARAMETER (1)	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D38SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0ER 2.0ER	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1464. Y- 1603. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1795

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-038SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible]: NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1796

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D4SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.14E8	RAB3111 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1586. Y- 1603. Z- 268.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1796

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D4SB-1

A/E: EDS SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900.MW(E) | CES#-1797

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D4SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1603. Z- 268.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1797

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D4SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HI[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1798

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D4SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB31A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB31 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.0E8 2.0E8	RAB3111 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1603. Z- 268.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1798

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D4SB-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON [illegible] S NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]ET | CAPACITY:900 MW(E) | [illegible]#-1802

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D52SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.04E8	RAB2110 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1595. Y- 1685. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1802

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D52SA-1

EQ. PCK # : 9.1SH1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: C[illegible]INA POWER & LIGHT COMPONENT EVALUATION SH[illegible] CAPACITY:900 MW(E) [illegible]803

EQUIPMENT DESCRIPTION

TAG NO : AV-052SA-1

EQUIPMENT: TYPE AIR OPERDAMPER

COMPONENT: PNEUMATIC OPERATOR

MANUFACTURER: BETTIS

MAJOR SUPPLIER : RUSKIN

MODEL AND: SERIAL # CB-315

FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1595.
Y- 1685.
Z- 245.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
TEMPERATURE	95F NORM 95F DBA	LATER	TYD31R FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HYD31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	PAB211D FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1803

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-052SA-1

A/E: EP[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1804

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D52SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	95F NORM 95F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TYD31R FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	10-100%NRM 100% DBA	NORM:40% DBA:100%	HYD31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	1.8E4	2.0ER	RAB2110 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA								
	D B SHIELD	100%							
	S T.I.D.	1.8E4	2.0ER						
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1595. Y- 1685. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1804

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D52SA-1

EQ. PCK # : 3.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1806

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D53SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1585. Y- 1685. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1806

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D53SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR I- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1807

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-053SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVES TYPE								
COMPONENT: SOLENOID VALVE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : RUSKIN								
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE								
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-25								
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB21								
COORDINATES X- 1585. Y- 1685. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
INSTALLED (Y/N): LTR								

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE: 1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1807

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-053SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1808

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D56SA-1	OPERABILITY NORM/TEST DBA	40YRS. NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND SERIAL #: NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.1E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1465. Y- 1595. Z- 248.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1808

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D56SA-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1809

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D56SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1465. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1809

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D56SA-1

EQ. PCK # : 9.2SH1

A/E: EB[illegible], SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]#-1810

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D57SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: ELECTRO-HYD OPERATOR									REPLACEMENT: REF(2)
MANUFACTURER: ITT	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: NH96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1465. Y- 1574. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1810

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D57SB-1

EQ. PCK # : 3.10SH1

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: EBAS[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-1811

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D57SB-1 EQUIPMENT: DAMPER TYPE COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO MAJOR : RUSKIN SUPPLIER MODEL AND: EA-180 SERIAL # FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21 COORDINATES X- 1465. Y- 1574. Z- 248.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC *QUALIF: QUALIFIED-AWAITING *STATUS CONFIRMATORY DATA	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1811

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D57SB-1

EQ. PCK # : 9.2SH1

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]1812

EQUIPMENT DESCRIPTION	PARAMETER (1)	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D58SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0458	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1467. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.2SH1
TEMPERATURE	T 9.2SH1
PRESSURE	P 9.2SH1
REL. HUMDTY	H 9.2SH1
CHEM. SPRAY	C 9.2SH1
RADIATION	R 9.2SH1
AGING	A 9.2SH1
SUBMERGENCE	S 9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION. PACKAGE: 9.2SH1

CES#-1812

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D58SA-1

EQ. PCK # : 9.2SH1

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) #-1813

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D58SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1467. Y- 1586. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1813

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D58SA-1

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]W- 0
[illegible]-1814

EQUIPMENT DESCRIPTION

TAG NO : AV-058SA-1

EQUIPMENT: TYPE DAMPER

COMPONENT: SOLENOID VALVE

MANUFACTURER: ASCO

MAJOR SUPPLIER : RUSKIN

MODEL AND: SERIAL # NP8320A173E

FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1467.
Y- 1586.
Z- 247.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90% NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0ER 2.0ER	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1814

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-058SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1815

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D59SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-213D2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1468. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1815

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D59SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1816

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D59SR-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERER	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1468. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1816

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D59SB-1

EQ. PCK # : 42.2SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARP[illegible]P - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) -1817

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-059SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER & SERVICE									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1468. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

PARAMETER	SUPPL.	REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1817

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-059SB-1

EQ. PCK # : 3.2SH1

A/E: EG[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-1821

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D60SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND SERIAL #: NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1595. Z- 248.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.G95.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1821

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D60SA-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

D588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARR. NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SH CAPACITY:900 MW(E) 822

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D60SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF. FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1822

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D60SA-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 1- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]1823

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D61S8-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: ELECTRO-HYD OPE RATOR									REPLACEMENT: REF(2)
MANUFACTURER:ITT	PRESSURE	ATMOS NORM ATMOS DBA	9MH20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NH96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1574. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1823

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D61S8-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

C588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1824

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-061SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1574. Z- 248.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1.

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1824

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-061SB-1

EQ. PCK # : 9.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1825

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-062SA-1 EQUIPMENT: TYPE DAMPER	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	106F NORM 106F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-213C2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

U586 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1825

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-062SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-1826

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D62SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1515. Y- 1586. Z- 247.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1826

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D62SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1827

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D62SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.0E8	RAB21R7	REF 1	COMB.	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA			FSAR SEC 3.11B	P.15 & 22	TEST & SUPPL.			
	D B SHIELD	100%							
	S T.I.D.	2.6E4	2.0E8		SRSR 3.2SH1	REVIEW			
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1827

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D62SA-1

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) S#-1828

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D63SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-18D-213G2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1512. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

DSRB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-18U REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1828

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D63SB-1

A/E: EBA[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]#-1829

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D63SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1512. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	42.2SH1
TEMPERATURE	T	42.2SH1
PRESSURE	P	42.2SH1
REL. HUMDTY	H	42.2SH1
CHEM. SPRAY	C	42.2SH1
RADIATION	R	42.2SH1
AGING	A	42.2SH1
SUBMERGENCE	S	42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1829

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D63SB-1

EQ. PCK # : 42.2SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1830

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D63SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG F2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 . SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : PUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: NP8320A173E SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1512. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1830

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D63SB-1

EQ. PCK # : 3.2SH1

D588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]ES#-1831

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D64SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND SERIAL #: NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1482. Y- 1595. Z- 247.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1831

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D64SA-1

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1832

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D64SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1482. Y- 1595. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1832

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D64SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]#-1833

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D65SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPE RATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H2O	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND: SERIAL # NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: 8E-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1479. Y- 1590. Z- 247.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

DSRB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1833

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D65SB-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]1834

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D65SB-1 EQUIPMENT: DAMPER TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	P.D79-D81 OF REF(1) SUBCOMPONENTS:
MODEL AND: EA-180 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 . PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1479. Y- 1590. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1834

REVISION # :00
DATE :09/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D65SB-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) ES#-1835

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D66SA-1 EQUIPMENT: DAMPERS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TA821A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: EA-180-213G2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1486. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTIONS: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1835

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D66SA-1

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-1836

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D66SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : USKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1486. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1836

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D66SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

D588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1837

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D66SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO									MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E24-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:8E-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1486. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1837

REVISION # :U0
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D66SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-1838

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-067SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER:NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1488. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1838

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-067SB-1

A/E: EBAS[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1839

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D67SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT. DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1488. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1839

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D67SB-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1840

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)
TAG NO : AV-D67SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1488. Y- 1586. Z- 247.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: RY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION: SS

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1840

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D67SB-1

EQ. PCK # : 3.2SH1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILIT[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1841

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D68SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPE RATOR	PRESSURE	ATMOS NORM ATMOS DBA	0-42.0	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT									
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NH96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1538. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1841

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D68SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1842

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D68SA-1 EQUIPMENT: DAMPER TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	P.D79-D81 OF REF(1) SUBCOMPONENTS:
MODEL AND: EA-180 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	PAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1538. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1842

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D68SA-1

EQ. PCK # : 9.2SH1

A/E: B[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1843

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D69SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: ELECTRO-HYD OPERATOR									REF(2)
MANUFACTURER:ITT	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: NH96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
COORDINATES X- 1538. Y- 1574. Z- 248.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1843

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D69SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1844

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D69SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1538. Y- 1574. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.2SH1
TEMPERATURE	T 9.2SH1
PRESSURE	P 9.2SH1
REL. HUMDTY	H 9.2SH1
CHEM. SPRAY	C 9.2SH1
RADIATION	R 9.2SH1
AGING	A 9.2SH1
SUBMERGENCE	S 9.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 9.2SH1

D58R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1844

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D69SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR 1[illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1845

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D7SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL # : EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: RE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1427. Y- 1595. Z- 236.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1845

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D7SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-1846

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D7SA-1	OPERABIL-ITY NORM/TEST DBA	LATER.	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1427. Y- 1595. Z- 236.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1846

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D7SA-1

A/E: EBA[illegible]RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR V- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1847

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-07SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A- 3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A- 3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: NP8320A173E SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1427. Y- 1595. Z- 236.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CESW-1847

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-07SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-1848

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D70SA-1 EQUIPMENT: DAMPER TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-21302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1537. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1848

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D70SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible] HEET CAPACITY:900 MW(E) [illegible]ES#-1849

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D70SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CR-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1537. Y- 1586. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1849

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D70SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1850

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D70SA-1 EQUIPMENT: TYPE DAMPER	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1537. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1850

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D70SA-1

EQ. PCK # : 3.2SH1

D588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1851

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D71SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 10),000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1537.
Y- 1585.
Z- 247.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1851

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D71SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1852

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D71SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1537. Y- 1585. Z- 247.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1852

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D71SB-1

EQ. PCK # : 42.2SH1

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]-1853

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-071SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPER COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ASCO MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # NP8320A173E FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
COORDINATES X- 1537. Y- 1585. Z- 247.0	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21. FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
REF 1,P.C-5

MAINTAIN.:
REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

SAFETY FUNCTION:
SS

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO.TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1853

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG. HVAC
TAG :AV-071SB-1

EQ. PCK # : 3.2SH1

A/E: EBAS[illegible]RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]1854

EQUIPMENT DESCRIPTION.	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-072SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND: SERIAL # NH96	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 10UX 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:8E-25								
P.O #:435205								
PLANT LOC.: AB21								
COORDINATES X- 1546. Y- 1595. Z- 248.0								

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.10SH1
TEMPERATURE	T	3.10SH1
PRESSURE	P	3.10SH1
REL. HUMDTY	H	3.10SH1
CHEM. SPRAY	C	3.10SH1
RADIATION	R	3.10SH1
AGING	A	3.10SH1
SUBMERGENCE	S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1854

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-072SA-1

EQ. PCK # : 3.10SH1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
****

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]N- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]-1855

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-072SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.036 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.042-047 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: P.079-081 OF REF(1) MAINTAIN.: P.079-081 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.042-047 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.077 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.016 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA								
	D B SHIELD	100%							
	S T.I.D.	2.6E4							
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.079-081 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1546. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1855

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-072SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) 1856

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-073SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NH-96	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1578. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1856

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-073SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1857

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D73SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1578. Z- 248.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	C	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1857

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D73SB-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-1858

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-074SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (1 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180-21302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1548. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1858

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-074SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-1859

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D74SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1548. Y- 1586. Z- 247.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1859

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D74SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1860

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D74SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: ASCO / MAJOR SUPPLIER: RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: NP8320A173E	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.0E8 2.0E8	RAB21R7 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. SPEC: NOT APPLICABLE / ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS: BE-25 / P.O #: 435205 / PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

COORDINATES X- 1548. Y- 1586. Z- 247.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

REPLACEMENT: REF 1,P.C-5

MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
1.ALL SRS ARE IN TAB E1.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1860

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D74SA-1

EQ. PCK # : 3.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-1861

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D75SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-21302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1585. Z- 247.0									
INSTALLED (Y/N): LTR									

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-1861

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D75SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) S#-1862

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D75S8-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB21								
COORDINATES X- 1543. Y- 1585. Z- 247.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1862

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D75S8-1

EQ. PCK # : 42.2SH1

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]W#- 0
[illegible]-1863

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D75SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPER	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1543.
Y- 1585.
Z- 247.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF:
FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1863

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D75SB-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | CES#-1864

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-078SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	9.1E4 100% 9.1E4	2.04E8	RAB21R8 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1602. Y- 1630. Z- 250.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1864

REVISION # :00
DATE :09/18/86

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-078SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1865

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D78SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	95F NORM 95F DBA	LATER	TYD31R FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR									
MANUFACTURER:BETTIS	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # CB-415-SR	RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HYD31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION									NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	9.1E4 100% 9.1E4	LATER	RAB21R8 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1602. Y- 1630. Z- 250.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1865

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D78SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR V- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) 1966

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D78SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERATURE	95F NORM 95F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TYD31R FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO									MAINTAIN.: REF 1,APP.C
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: NP8320A173E SERIAL #	RELATIVE HUMIDITY	10-100%NRM 100% DBA	NORM:40% DBA:100%	HYD31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	9.1E4 100% 9.1E4	2.0E8 2.0E8	RAB21R8 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1602. Y- 1630. Z- 250.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.J, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1866

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D78SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1867

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-079SB- 1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
PLANT LOC.: AB21									
COORDINATES X- 1585. Y- 1630. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1867

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-079SB- 1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] 3 NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-1868

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D79SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-415-SR	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1585. Y- 1630. Z- 247.0									
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1868

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D79SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1869

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-079SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1585. Y- 1630. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1869

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-079SB-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0.
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-1876

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-086SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1705. Z- 270.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1876

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-086SA-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#-[illegible].0
UTILIT[illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]ET | CAPACITY:900 MW(E) | [illegible]S#-1877

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D86SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: CB-315 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: HOLD DAMPER IN & SERVICE REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB31								
COORDINATES X- 1580. Y- 1705. Z- 270.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1877

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D86SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1878

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D86SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG F1A-3.2SH1	TAB31A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG F2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A173E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	NORM:40% DBA:100%	HAB31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER									NOTE: 1.ALL SRS ARE IN TAB E1.
	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB31 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.0E8	RAB3111 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1705. Z- 270.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1878

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D86SA-1

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) CES#-1879

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-087SB-1 EQUIPMENT: DAMPERS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180 SERIAL # FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:PE-25 P.O #:435205 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1580. Y- 1690. Z- 272.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1879

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-087SB-1

EQ. PCK # : 9.1SH1

D588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]S#-1880

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D87SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: CB-315	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1690. Z- 272.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1880

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D87SB-1

EQ. PCK # : 42.2SH1

****
*QUALIF: LATER *
*STATUS *
*
*
****

A/E: E[illegible]. SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:960 MW(E) CES#-1881

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D87SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : ASCO	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: NP8320A173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB31								
COORDINATES X- 1580. Y- 1690. Z- 272.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1881

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D87SB-1

A/E: EF[illegible] J SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-1885

EQUIPMENT DESCRIPTION

TAG NO : AV-D9SA-1

EQUIPMENT: DAMPERS
TYPE

COMPONENT: LIMIT SWITCH (1 OF 2)

MANUFACTURER: NAMCO

MAJOR : RUSKIN
SUPPLIER

MODEL AND: EA-180-21302
SERIAL #

FUNCT.DES: REMOTE INDICAT
& SERVICE ION OF DAMPER POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: A831

COORDINATES X- 1410.
Y- 1694.
Z- 271.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
(1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81

REPLACEMENT: SEE NOTE (1)

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-1885

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D9SA-1

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]S#-1886

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D9SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	95F NORM 95F DBA	LATER	TYD31R FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HYD31 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # CB-415	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1410. Y- 1694. Z- 271.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1886

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D9SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1887

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D9SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPER	TEMPERATURE	95F NORM 95F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TYD31R FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	10-100%NRM 100% DBA	NORM:40% DBA:100%	HYD31 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SPSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB31 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: SERIAL # NP832DA173E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.0E8 2.0E8	RAB3111 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB31

COORDINATES X- 1410.
Y- 1694.
Z- 271.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1887

REVISION # :00
DATE :08/13/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D9SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1900

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CR-D1SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: EA-180 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB41								
COORDINATES X- 1396. Y- 1641. Z- 295.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1900

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :CR-D1SA-1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR I- 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]901

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CB-D1SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-415SR	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER OM REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB41								
COORDINATES X- 1396. Y- 1641. Z- 295.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: PERP

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.2SH1
TEMPERATURE T	42.2SH1
PRESSURE P	42.2SH1
REL. HUMDTY H	42.2SH1
CHEM. SPRAY C	42.2SH1
RADIATION R	42.2SH1
AGING A	42.2SH1
SUBMERGENCE S	42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1901

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D1SA-1

EQ. PCK # : 42.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON [illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1902

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CB-D1SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB41A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
MANUFACTURER:ASCO									MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A173E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB41 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PN MATIC OPERATOR CYLINDER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB41 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.0E8	RAB4117 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA	7.2E4							
	D B SHIELD	100%							
	S T.I.D.	2.6E4	2.0E8						
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
P.O #:435205									
PLANT LOC.: AB41									
COORDINATES X- 1396. Y- 1641. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1902

REVISION # :00
DATE :05/13/84

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D1SA-1

A/E: EB[illegible]J SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]POLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1903

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CB-D2SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OFDAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1573. Y- 1686. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1903

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D2SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#1904

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	P/P (6)	OUTS ITEMS (7)
TAG NO : CB-D2SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS042.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP42.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: CB-415SR	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR42.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE HOLD DAMPER IN REQUIRED POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS42.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB41								
COORDINATES X- 1573. Y- 1686. Z- 295.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 42.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.2SH1
TEMPERATURE	T 42.2SH1
PRESSURE	P 42.2SH1
REL. HUMDTY	H 42.2SH1
CHEM. SPRAY	C 42.2SH1
RADIATION	R 42.2SH1
AGING	A 42.2SH1
SUBMERGENCE	S 42.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.2SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:QUAL REPORT NOT AVAILABLE AT THIS TIME.

SAFETY FUNCTION: PRRM

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.2SH1

CES#-1904

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D2SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 . NSSS: WESTINGHOUSE - PWR VR- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1905

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : CB-D2SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL CYC: 500	NORM:40YRS 20,100 CYC DBA:30DAYS 21 CYC	OPER. REVIEW	NORM:REF 1 P.8 DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:SEE FIG E1A-3.2SH1	TAB41A FSAR SEC 3.11B	NORM:REF 1 P.9 DBA: REF 1,P.26 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2A-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1,P.26 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB41 FSAR SEC 3.11B	NORM:REF 1 P.A7 DBA: REF 1,P.A8 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB41 FSAR SEC 3.11B	REF 1 P.A20 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: 1.ALL SRS ARE IN TAB E1.
MODEL AND: NP8320A173E SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.0E8 2.0E8	RAB4117 FSAR SEC 3.11B	REF 1 P.15 & 22 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF 1 P.A-3,C-5, C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #:435205									
PLANT LOC.: AB41									
COORDINATES X- 1573. Y- 1686. Z- 295.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT # AQR-67368 REV.0, MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-1905

REVISION # :00
DATE :08/13/84

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D2SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) CES#-1930

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D1SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: ELECTRO-HYDOPERATOR	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
MANUFACTURER: ITT									MAINTAIN.: REF(2)
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	9"H2O	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: NH-95 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSM3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1606. Y- 1674. Z- 314.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1930

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D1SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]T CAPACITY:900 MW(E) CES#-1931

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D1SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1606. Y- 1674. Z- 314.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: LATER
*STATUS
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1931

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D1SA-1

EQ. PCK # : 9.1/9.2

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | EV#- 0
UTILITY: [illegible]OLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]T | CAPACITY:900 MW(E) | CES#-1932

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D10SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYDOPERATOR									
MANUFACTURER: ITT	PRESSURE	ATMOS NORM ATMOS DBA	9"H2O	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NH-91	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1641. Y- 1667. Z- 315.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1932

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D10SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) CES#-1933

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D10SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1641. Y- 1667. Z- 315.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1933

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : CZ-D10SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]SN-1941

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : CZ-D19SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: ELECTRO-HYD OPERATOR	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
MANUFACTURER:ITT									
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	9"H2O	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2) SUBCOMPONENTS:
MODEL AND: NH-96 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DAMPER & SERVICE OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1657. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1941

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D19SA-1

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-1942

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D19SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPER TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1657. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1942

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D19SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#-
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-1943

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D2SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYDOPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H2O	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND SERIAL #: NH-96	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: 8E-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1606. Y- 1667. Z- 314.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1943

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D2SB-1

EQ. PCK # : 3.10SH1

058R CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV[illegible]
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-1944

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D2SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1606. Y- 1667. Z- 314.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS
*
*

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

U588 CATEG.: A
APPENDIX E

EQ. PCK # : 9.1/9.2

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1944

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D2SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1945

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D20SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9MH20	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER: RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND SERIAL #: NH-96	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1655. Z- 305.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1945

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D20SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NUP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#1946

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D20SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-18D	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1626. Y- 1655. Z- 305.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1946

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D20SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1>>.

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D23SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR									
MANUFACTURER: ITT	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: NH-96	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DAMPER OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1645. Y- 1655. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 3.10SH1
TEMPERATURE	T 3.10SH1
PRESSURE	P 3.10SH1
REL. HUMDTY	H 3.10SH1
CHEM. SPRAY	C 3.10SH1
RADIATION	R 3.10SH1
AGING	A 3.10SH1
SUBMERGENCE	S 3.10SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1947

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D23SA-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

REV#-
CES#-1948

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D23SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	RADIATION: GAMMA, BETA, B SHIELD, S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: REMOTE INDICATION OF POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1645. Y- 1655. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1948

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D23SA-1

EQ. PCK # : 9.1/9.2

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-1949

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D24SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9MH20	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND: SERIAL # NH-95	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB51

COORDINATES X- 1645.
Y- 1653.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.10SH1

REFERENCES: (1) NH90 QUALIFICATION REPORT #721.77.095.
(2) NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.10SH1

CES#-1949

REVISION # : 00
DATE : 09/14/84

SYSTEM : CONTROL ROOM HVAC
TAG : CZ-D24SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-1950

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)
TAG NO : CZ-D24SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPER TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE PEMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 FARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1645. Y- 1653. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1950

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D24SB-1

EQ. PCK # : 9.1/9.2

A/E: EBA[illegible]SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) CES#-1955

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D9SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	0"H2O	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND SERIAL #: NH-91	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.0E6 NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE DAMPER OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE
ACCUR. DEP.: NOT APPLICABLE								
SPECIFICATIONS: RE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1638. Y- 1672. Z- 314.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1955

REVISION # :00
DATE :09/14/84

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D9SA-1

EQ. PCK # : 3.10SH1

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1956

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CZ-D9SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE DAMPER	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 1COX 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-25								
P.O #: 435205								
PLANT LOC.: AB51								
COORDINATES X- 1638. Y- 1672. Z- 314.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-1956

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D9SA-1

EQ. PCK # : 9.1/9.2

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-1981

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : F-6 (1B-SB)	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE AIR CLEANING UNITS									
COMPONENT: DOOR SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER CTI-NUCLEAR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: RE-31									
P.O #: 435162	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1584. Y- 1766. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC	PARA-METER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:
******** *QUALIF: LATER *STATUS * * ********	OPERABILITY TEMPERATURE PRESSURE REL. HUMDTY CHEM. SPRAY RADIATION AGING SUBMERGENCE	O T P H C R A S	REFERENCES:						CES#-1981 REVISION # :00 DATE :
EQ. PCK # :	0588 CATEG.: A APPENDIX E								SYSTEM :REAC.AUX.BLDG HVAC TAG :E-6 (1B-SB)

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR VF- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]1983

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E-6 (1B-SB)	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE AIR CLEANING UNITS	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB31A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYDR OP ERATOR									
MANUFACTURER: ITT	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB31 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MAJOR : CTI-NUCLEAR SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # NH-94	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB31 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE OPERATE INLET VANES-REGULATE FAN VOLUME									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	5.7E6 NORM & DBA	RAB3111 FSAR SEC 3.11B.	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435162									
PLANT LOC.: AB31									
COORDINATES X- 1584. Y- 1766. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES:
(1)NH9D QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-1983

REVISION # :00
DATE :09/14/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :E-6 (1B-SB)

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-1984

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E-6 (1B-SB) EQUIPMENT: TYPE AIR CLEANING UNITS	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: MOTOR	TEMPERATURE	104F NORM 104F DBA	105F NORM 105F DBA	TAB31A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
MANUFACTURER: RELIANCE ELECT CO	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB31 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MAJOR SUPPLIER : CTI-NUCLEAR									SUBCOMPONENTS:
MODEL AND SERIAL #: RH INSULATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB31 FSAR SEC 3.11B	REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DRIVE FAN	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB31 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.74E8 2.74E8	RAB3111 FSAR SEC 3.11B	REF 1 P.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-31 P.O #: 435162 PLANT. LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 P.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1584. Y- 1766. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB31 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT REV 2 DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-1984

REVISION # :00
DATE :07/09/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : E-6 (1B-SB)

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]W- 0
[illegible]-1997

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : EHC-24(1X-SA)	OPERABILITY NORM/TEST DBA	LATER .	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRIC HEATING COIL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:BRASCH	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEMP.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-22								
P.O #:435152								
PLANT LOC.: AB51								
COORDINATES X- 1614. Y- 1680. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 10.1SH1

PARAMETER	SUPPL.	REVIEW
OPERABILITY	O	10.1SH1
TEMPERATURE	T	10.1SH1
PRESSURE	P	10.1SH1
REL. HUMDTY	H	10.1SH1
CHEM. SPRAY	C	10.1SH1
RADIATION	R	10.1SH1
AGING	A	10.1SH1
SUBMERGENCE	S	10.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-1997

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :EHC-24(1X-SA)

A/E: E[illegible] SERVICES INC.
UTILI[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATI[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]S#-1999

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : EHC-26(1X-SB)	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE ELECTRIC HEATIN G COIL	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRIC HEATIN G COIL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEM P.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:BE-22

P.O #:435152

PLANT LOC.: AB51

COORDINATES X- 1611.
Y- 1662.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 10.1SH1

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

PARA-METER	SUPPL. REVIEW
OPERABILITY O	10.1SH1
TEMPERATURE T	10.1SH1
PRESSURE P	10.1SH1
REL. HUMDTY H	10.1SH1
CHEM. SPRAY C	10.1SH1
RADIATION R	10.1SH1
AGING A	10.1SH1
SUBMERGENCE S	10.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-1999

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :EHC-26(1X-SB)

A/E: E[illegible], SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-2003

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : EHC-30(1B-SB)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRIC HEATING COIL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEMP.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-22								
P.O #: 435152								
PLANT LOC.: AB31								
COORDINATES X- 1582. Y- 1730. Z- 261.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	10.1SH1
TEMPERATURE T	10.1SH1
PRESSURE P	10.1SH1
REL. HUMDTY H	10.1SH1
CHEM. SPRAY C	10.1SH1
RADIATION R	10.1SH1
AGING A	10.1SH1
SUBMERGENCE S	10.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2003

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :EHC-30(1B-SB)

EQ. PCK # : 10.1SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EBA[illegible] RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible] 2005

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : EHC-72(1A-SA)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS01C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST1C.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: ELECTRIC HEATING COIL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP1C.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # XS-78-C9579	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR1C.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEMP.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-22									
P.O #: 435152									
PLANT LOC.: AB51									
COORDINATES X- 1627. Y- 1692. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
****

EQ. PCK # : 10.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 10.1SH1
TEMPERATURE	T 10.1SH1
PRESSURE	P 10.1SH1
REL. HUMDTY	H 10.1SH1
CHEM. SPRAY	C 10.1SH1
RADIATION	R 10.1SH1
AGING	A 10.1SH1
SUBMERGENCE	S 10.1SH1

OSBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 10.1SH1

CES#-2005

REVISION # : 00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : EHC-72(1A-SA)

A/E: B[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2006

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CP-EHC-72(1A-SA)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS01C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST1C.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: HEATER CONTROL PANEL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP1C.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # XS-78-09579	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR1C.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEMP.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-22									
P.O #: 435152									
PLANT LOC.: AB51									
COORDINATES X- 1627. Y- 1692. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 10.1SH1
TEMPERATURE	T 10.1SH1
PRESSURE	P 10.1SH1
REL. HUMDTY	H 10.1SH1
CHEM. SPRAY	C 10.1SH1
RADIATION	R 10.1SH1
AGING	A 10.1SH1
SUBMERGENCE	S 10.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2006

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CP-EHC-72(1A-SA

*QUALIF: LATER
*STATUS

EQ. PCK # : 10.1SH1

058P CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2007

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : EHC-72(1B-SB)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRIC HEATING COIL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: XS-78-09579	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB51S FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE MAINTAIN REL HUMIDITY & TEMP OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-22								
P.O #: 435152								
PLANT LOC.: AB51								
COORDINATES X- 1631. Y- 1692. Z- 305.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	10.1SH1
TEMPERATURE	T	10.1SH1
PRESSURE	P	10.1SH1
REL. HUMDTY	H	10.1SH1
CHEM. SPRAY	C	10.1SH1
RADIATION	R	10.1SH1
AGING	A	10.1SH1
SUBMERGENCE	S	10.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2007

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :EHC-72(1B-SB)

EQ. PCK # : 10.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] RVICES INC. FACILITY: SHEARON HARR[illegible] UPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] D
UTILITY: [illegible] LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible] 2008

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CP-EHC-72(1B-SB)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS01G.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE ELECTRIC HEATING COIL	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST1G.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: HEATER CONTROL PANEL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP1G.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: BRASCH	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH1G.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BRASCH	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC1G.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: XS-78-09579	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR1G.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE MAINTAIN REL. HUMIDITY & TEMP.OF AIR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA1G.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS1G.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: BE-22									
P.O #: 435152									
PLANT LOC.: AB51									
COORDINATES X- 1631. Y- 1692. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 10.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 10.1SH1
TEMPERATURE	T 10.1SH1
PRESSURE	P 10.1SH1
REL. HUMDTY	H 10.1SH1
CHEM. SPRAY	C 10.1SH1
RADIATION	R 10.1SH1
AGING	A 10.1SH1
SUBMERGENCE	S 10.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2008

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CP-EHC-72(1B-SB

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILIT[illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]ET | CAPACITY:900 MW(E) | [illegible]ES#-2060

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1A-SA)	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE AIR CLEANING UN IUNITS									
COMPONENT: DOOR SWITCH (1 OF 4)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER CTI-NUCLEAR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-18D-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DOOR PO SITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-31									
P.O #: 435162	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 162G. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
****

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-2060

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

A/E: E[illegible] J SERVICES INC. FACILITY: SHEARON L[illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#-. 0.
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2061

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1A-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE AIR CLEANING UNITS	TEMPERATURE	104F NORM 104F DBA	105F NORM 105F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE ELEC. CO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : CTI-NUCLEAR	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.04E8	RAB5125 FSAR SEC 3.11B	REF 1 P.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DRIVE FAN	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 P.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-31									
P.O #: 435162									
PLANT LOC.: AB51									
COORDINATES X- 1620. Y- 1693. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT REV 2 DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-2061

REVISION # :00
DATE :07/09/84

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

A/E: EBAS[illegible]VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]3062

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1A-SA) EQUIPMENT: TYPE AIR CLEANING UNITS	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: ELECTRO-HYDR OPERATOR	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2,P-2 SRST 3.10SH	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
MANUFACTURER: ITT MAJOR : SUPPLIER CTI-NUCLEAR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP 3.10SH	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2) SUBCOMPONENTS:
MODEL AND: SERIAL # NH-94 FUNCT.DES: & SERVICE OPERATE INLET VANES REGULATE FAN VOLUME	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.10SH	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.7E6 NORM NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR 3.10SH	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-31 P.O #: 435162 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1620. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.10SH	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.10SH1
TEMPERATURE	T	3.10SH1
PRESSURE	P	3.10SH1
REL. HUMDTY	H	3.10SH1
CHEM. SPRAY	C	3.10SH1
RADIATION	R	3.10SH1
AGING	A	3.10SH1
SUBMERGENCE	S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.10SH1

REFERENCES:
(1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.10SH1

CES#-2062

REVISION # :00
DATE :09/26/84

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

EQ. PCK # : 3.10SH1

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: EF[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: [illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) CES#-2063

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : R-2 (1B-SB) EQUIPMENT: TYPE AIR CLEANING UNITS	OPERABILITY NORM/TEST DBA	LATER.	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: DOOR SWITCH (1 OF 4)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO MAJOR SUPPLIER : CTI-NUCLEAR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #: EA-180-11302 FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: BE-31	RADIATION: GAMMA, BETA, B SHIELD, T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
P.O #: 435162 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1634. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-2063

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1B-SB)

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] S NPP - 1
COMPONENT EVALUATIO[illegible] HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]SN-2064

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : R-2 (1B-SB) EQUIPMENT: TYPE AIR CLEANING UNITS	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MOTOR	TEMPERATURE	104F NORM 104F DBA	105F NORM 105F DBA	TAB51A FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: RELIANCE ELECTRIC CO. MAJOR SUPPLIER : CTI-NUCLEAR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND SERIAL #: RH INSULATION FUNCT.DES: & SERVICE DRIVE FAN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8 2.04E8	RAB5125 FSAR SEC 3.11B	REF 1 P.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
SPECIFICATIONS: BE-31 P.O #:435162 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 P.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1634. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE

REPLACEMENT: SEE INSTR MANUAL
MAINTAIN.: SEE INSTR MANUAL
SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT REV 2 DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-2064

REVISION # :00
DATE :07/09/84

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1B-SB)

CLASS IE COMPONENT EVALUATION SHEETS

ADDENDUM 1

Volume 2

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0.
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2065

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1B-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRSO 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE AIR CLEANING UNITS	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB51A FSAR SEC 3.11B	REF(1) ADD#2,P-2 SRST 3.10SH	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYDR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9"H20	PAB51 FSAR SEC 3.11B	REF(1)P-2 SRSP 3.10SH	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT									
MAJOR SUPPLIER : CTI-NUCLEAR									SUBCOMPONENTS:
MODEL AND SERIAL #: NH-94	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB51 FSAR SEC 3.11B	REF(1)P-6 SRSH 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE OPERATE INLET VANES-REGULATE FAN VOLUME	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.10SH	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	5.7E4 NORM NORM & DBA	RAB5125 FSAR SEC 3.11B	REF(1)P-6 SRSR 3.10SH	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-31									
P.O #: 435162	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA 3.10SH	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1634. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.10SH	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.10SH1

CES#-2065

REVISION # :UG
DATE :09/26/84

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1B-SB)

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 3.10SH1

0588 CATEG.: A
APPENDIX E

A/E: [illegible].O SERVICES INC. FACILITY: SHEARON [illegible]RIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTIL[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible] SHEET CAPACITY:900 MW(E) [illegible]CES#-2114

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : P1X-SAB AUX FW TD EQUIPMENT: TURBINES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1)&(2) SRS074.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: AUX. FEED PUMP TURBIN MANUFACTURER:TERRY CORP	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG. D11 SRST74.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
MAJOR : INGERSOLL-RAND SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB21 FSAR SEC 3.11B	REF(1) PG. D11 SRSP74.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2) SUBCOMPONENTS:
MODEL AND: GS-2N SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB21 FSAR SEC 3.11B	REF(2) SRSH74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DRIVER OF TURB & SERVICE INE OPER AUX FEED PUMP ACCUR. SPEC: NA	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC74.1SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-05	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	1.1E5	RAB21R7 FSAR SEC 3.11B	REF(2) SRSR74.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435043 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(2) SRSA74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CRHR
COORDINATES X- 1520. Y- 1529. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS74.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 74.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 74.1SH1
TEMPERATURE	T 74.1SH1
PRESSURE	P 74.1SH1
REL. HUMDTY	H 74.1SH1
CHEM. SPRAY	C 74.1SH1
RADIATION	R 74.1SH1
AGING	A 74.1SH1
SUBMERGENCE	S 74.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:74.1SH1

REFERENCES: (1)TERRY EQUIP QUAL DOC MANUAL E/L NO.20713 DATED 6/1/84.
(2)LETTER SH-MNE-10012 DATED 8/2/84.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:74.1SH1

CES#-2114

REVISION # :00
DATE :07/27/84

SYSTEM :AUXILIARY FEEDWTR
TAG :P1X-SAB AUX FW

A/E: EBASCO S[illegible]CES INC.
UTILITY: CA[illegible]NA POWER & LIGHT

FACILITY: SHEARON HARRIS [illegible] - 1
COMPONENT EVALUATION SH[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

RE[illegible]0
CES[illegible]15

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CB-B1SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180-31302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF VALVE POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-35								
P.O #:435211								
PLANT LOC.: AB41								
COORDINATES X- 1462. Y- 1634. Z- 295.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-2115

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B1SA-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-2116

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CB-B1SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA 500 CYC TOTAL	NORM:40YRS 5000 CYC DBA: 1YR 22 CYC	OPER. REVIEW	REF(1) P.3 & 4 SRSO42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA REFER FIG E1-42.1SH1	TAB41A FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRST42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEAL & LUB EVERY 5YRS MAINTAIN.: SEE INSTR MANUAL SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: PNEUMTIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM FOR DBA REFER FIG E2-42.1SH1	PAB41 FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRSP42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1)P.3 NORM&DBA VOLV,PII-1 SRSH42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	4200 PPM BORON	CAB41 FSAR SEC 3.11B	REF(1)VOL V, P.II-1 SRSC42.1SH1	N/A	/	NONE	
MODEL AND SERIAL #: NT-316B-SR2-12	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1.4E8 1.4E8	RAB4117 FSAR SEC 3.11B	REF(1)VOL V,P.IV-4 SRSR42.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) VOL 1,P.3 SRSA42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRP
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS42.1SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB41									
COORDINATES X- 1462. Y- 1634. Z- 295.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.1SH1
TEMPERATURE	T 42.1SH1
PRESSURE	P 42.1SH1
REL. HUMDTY	H 42.1SH1
CHEM. SPRAY	C 42.1SH1
RADIATION	R 42.1SH1
AGING	A 42.1SH1
SUBMERGENCE	S 42.1SH1

D588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 42.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.1SH1

REFERENCES: G H BETTIS NUCLEAR QUALIFICATION TEST REPORT #37274, REV 8, DATED 08/17/84.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.1SH1

CES#-2116

REVISION # :00
DATE :10/02/84

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B1SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR R- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-2117

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 2CB-B1SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL 500 CYC	NORM:40YRS 40000CYC DBA:30DAYS 120CYC	OPER. REVIEW	NORM:REF 1 P.4-1,DBA: P.4-21 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:FIG E18-3.2SH1	TAB41A FSAR SEC 3.11B	NORM:REF 1 P.4-1,DBA: P.4-21 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.I-2, I-8
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E28-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1 P.4-21 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,P.I-8
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB41 FSAR SEC 3.11B	NORM:REF 1 P.8-1,DBA: REF1,P.8-2 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : BIF SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB41 FSAR SEC 3.11B	REF 1 P.4-4 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: 1.ALL SRS ARE IN TAB E2
MODEL AND: NP831665E SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.0E8 2.0E8	RAB4117 FSAR SEC 3.11B	REF 1 P.4-3 & 4-4 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE FOR PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1 P.9-4 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB41									
COORDINATES X- 1462. Y- 1634. Z- 295.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT# AQS-21678/TR,REV A,JULY 1979

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2117

REVISION # :00
DATE :09/04/84

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B1SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-2118

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PS 1CB 7682A SA	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE BUTTERFLY VALVE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESS. ELECT. SWITCH	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: LATER	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LOW PRESSURE SIGNAL FOR ACCUMULATR TANK TK	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB41									
COORDINATES X- 1462. Y- 1634. Z- 295.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-2118

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :PS 1CB 7682A SA

EQ. PCK # :

*QUALIF: LATER
*STATUS
*
*

A/E: [illegible] O SERVICES INC.
UTIL[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]:IS NPP - 1
COMPONENT EVALUAT[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

REV#- 0
CES#-2119

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 2CB-B2SB-1 EQUIPMENT: BUTTERFLY VALVE TYPE	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.2	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.2	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.2	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : BIF SUPPLIER									SUBCOMPONENTS:
MODEL AND: EA180-31302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.2	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF VALVE P OSITION IO N	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.2	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.2	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-35	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.2	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
P.O #:435211 PLANT LOC.: AB41	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.2	COMB. TEST & SUPPL. REVIEW	/	NONE	
COORDINATES X- 1575. Y- 1686. Z- 295.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 9.1/9.2

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-2119

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B2SB-1

A/E: EG[illegible] SERVICES INC. | FACILITY: SHEARON [illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUAT[illegible] HEET | CAPACITY:900 MW(E) | [illegible]ES#-2120

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CB-B2SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA 500 CYC TOTAL	NORM:40YRS 5000 CYC DBA: 1YR 22 CYC	OPER. REVIEW	REF(1) P.3 & 4 SRS042.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA REFER FIG E1-42.1SH1	TAB41A FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRST42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: PNEUMATIC OPERATOR									REPLACEMENT: SEAL & LUB EVERY 5YRS MAINTAIN.: SEE INSTR MANUAL SUBCOMPONENTS:
MANUFACTURER: BETTIS	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM FOR DBA REFER FIG E2-42.1SH1	PAB41 FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRSP42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : BIF									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: NT-316B-SR2-12	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1)P.3 NORM DBA VOLV,PII-1 SRSH42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	6200 PPM BORON PH11	CAB41 FSAR SEC 3.11B	REF(1)VOL V,P.II-1 SRSC42.1SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1.4ER 1.4ER	RAB4117 FSAR SEC 3.11B	REF(1)VOL V,P.IV-4 SRSR42.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-35									
P.O #: 435211	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)VOL 1,P.3 SRSA42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1575. Y- 1686. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS42.1SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 42.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.1SH1
TEMPERATURE	T 42.1SH1
PRESSURE	P 42.1SH1
REL. HUMDTY	H 42.1SH1
CHEM. SPRAY	C 42.1SH1
RADIATION	R 42.1SH1
AGING	A 42.1SH1
SUBMERGENCE	S 42.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.1SH1

REFERENCES: G H BETTIS NUCLEAR QUALIFICATION TEST REPORT #37274,REV 8,DATED 8/17/84.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.1SH1

CES#-2120

REVISION # :00
DATE :10/02/84

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B2SB-1

A/E: [illegible]O SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-2121

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CB-B2SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL 500 CYC	NORM:40YRS 40,000CYC DBA:30DAYS 12CYC	OPER. REVIEW	NORM:REF 1 P.4-1,DBA: P.4-21 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:FIG F19-3.2SH1	TAB41A FSAR SEC 3.11B	NORM:REF 1 P.4-1,DBA: P.4-21 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.I-2, I-8
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG F28-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1 P.4-21 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,P.I-8
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB41 FSAR SEC 3.11B	NORM:REF 1 P.8-1,DBA: REF1,P.8-2 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB41 FSAR SEC 3.11B	REF 1 P.4-4 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: 1.ALL SRS ARE IN TAB E2
MODEL AND SERIAL #: NP831665E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.7E8 2.7E8	RAB4117 FSAR SEC 3.11B	REF 1 P.4-3 & 4-4 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR PRESSURE PNEUMATIC OPER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1 P.9-4 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB41									
COORDINATES X- 1575. Y- 1686. Z- 295.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT# AQS-21678/TR,REV A,JULY 1979

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2121

REVISION # :00
DATE :09/04/84

SYSTEM :CONT.VACUUM RELIEF
TAG :2CB-B2SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]V#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]ET | CAPACITY:900 MW(E) | [illegible]S#-2122

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : PS 2CB 7682B SB	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: PRESS. ELEC. SWITCH									
MANUFACTURER: LATER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BIF									SUBCOMPONENTS:
MODEL AND SERIAL #: LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LOW PRESSURE SIGNAL FOR ACCUMULATR TANK	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-35									
P.O #: 435211	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1575. Y- 1686. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-2122

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :PS 2CB 7682B SB

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2133

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-B2SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-31302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF VALVE POSITION IO N	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 FARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB21									
COORDINATES X- 1430. Y- 1665. Z- 255.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-2133

REVISION # :00
DATE :

SYSTEM :CONT.ATMOSPHRE PRG/MKUP
TAG :2CP-B2SB-1

EQ. PCK # : 9.1/9.2

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

D
CES#-2134

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CP-B2SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA 500 CYC TOTAL	NORM:40YRS 5000 CYC DBA: 1YR 22 CYC	OPER. REVIEW	REF(1) P.3 & 4 SRS042.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA REFER FIG E1-42.1SH1	TAB21A FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRST42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM FOR DBA REFER FIG E2-42.1SH1	PAB21 FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRSP42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1)P.3 NORM&DBA VOLV,PII-1 SRSH42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	6200 PPM BORON	CAB21 FSAR SEC 3.11B	REF(1)VOL V, P.II-1 SRSC42.1SH1	N/A	/	NONE
MODEL AND SERIAL #: N721C-SR60-12	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.4E8 1.4E8	RAB21R6 FSAR SEC 3.11B	REF(1)VOL V,P.IV-4 SRSR42.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) VOL 1,P.3 SRSA42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS42.1SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-35								
P.O #: 435211								
PLANT LOC.: AB21								
COORDINATES X- 1430. Y- 1665. Z- 255.0								

REPLACEMENT: SEAL & LUB EVERY 5YRS
MAINTAIN.: SEE INSTR MANUAL
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 42.1SH1
TEMPERATURE	T 42.1SH1
PRESSURE	P 42.1SH1
REL. HUMDTY	H 42.1SH1
CHEM. SPRAY	C 42.1SH1
RADIATION	R 42.1SH1
AGING	A 42.1SH1
SUBMERGENCE	S 42.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 42.1SH1

REFERENCES: G H BETTIS NUCLEAR QUALIFICATION TEST REPORT #37274, REV 8, DATED 08/17/84.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 42.1SH1

CES#-2134

REVISION # :00
DATE :10/02/84

SYSTEM : CONT.ATMOSPHRE PRG/MKUP
TAG : 2CP-B2SB-1

EQ. PCK # : 42.1SH1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-2135

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-B2SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL 500 CYC	NORM:40YRS 40000CYC DBA:30DAYS 12CYC	OPER. REVIEW	NORM:REF 1 P.4-1,DBA: P.4-21 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE BUTTERFLY VALVE	TEMPERAT-URE	104F NORM 104F DBA	NORM:120F DBA:FIG E19-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.4-1,DBA: P.4-21 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.I-2, I-8
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E28-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1 P.4-21 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,P.I-8
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.8-1,DBA: REF1,P.8-2 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH9.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.4-4 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: 1.ALL SRS ARE IN TAB E2
MODEL AND: SERIAL # NP8321A6E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0ER 2.0ER	RAB21R6 FSAR SEC 3.11B	REF 1 P.4-3 & 4-4 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTRL AIR PRESSRE IN PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1 P.9-4 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB21									
COORDINATES X- 1430. Y- 1665. Z- 255.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT# AQS-21678/TR,REV A,JULY 1979

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2135

REVISION # :00
DATE :09/04/84

SYSTEM :CONT.ATMOSPHRE PRG/MKUP
TAG :2CP-B2SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible].O SERVICES INC. FACILITY: SHEARON [illegible]RIS NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-2139

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-84SB- 1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BIF									SUBCOMPONENTS:
MODEL AND SERIAL # : EA-180-31302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF VALVE POSITION IO N	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435211									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1664. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-2139

REVISION # :00
DATE :

SYSTEM :CONT.ATMOSPHRE PRG/MKUP
TAG :2CP-84SB- 1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2140

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-B4SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA 500 CYC TOTAL	NORM:40YRS 5000 CYC DBA: 1YR 22 CYC	OPER. REVIEW	REF(1) P.3 & 4 SRS042.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE BUTTERFLY VALVE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA REFER FIG E1-42.1SH1	TAB21A FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRST42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEAL & LUB EVERY 5YRS
COMPONENT: PNEUMATIC OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM FOR DBA REFER FIG E2-42.1SH1	PAB21 FSAR SEC 3.11B	REF(1)VOL V P.V1-2 FIG V1-1 SRSP42.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: BETTIS	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1)P.3 NORM&DBA VOLV,PII-1 SRSH42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	4200 PPM BORON	CAB21 FSAR SEC 3.11B	REF(1)VOL V, P.II-1 SRSC42.1SH1	N/A	/	NONE	
MODEL AND: SERIAL # NT82C-SR-4-12-S	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1.4E8 1.4E8	RAB21R6 FSAR SEC 3.11B	REF(1)VOL V,P.IV-4 SRSR42.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) VOL 1,P.3 SRSA42.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS42.1SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1664. Z- 255.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 42.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	42.1SH1
TEMPERATURE T	42.1SH1
PRESSURE P	42.1SH1
REL. HUMDTY H	42.1SH1
CHEM. SPRAY C	42.1SH1
RADIATION R	42.1SH1
AGING A	42.1SH1
SUBMERGENCE S	42.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:42.1SH1

REFERENCES: G H BETTIS NUCLEAR QUALIFICATION TEST REPORT #37274, REV 8, DATED 08/17/84.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:42.1SH1

CES#-2140

REVISION # :00
DATE :10/02/84

SYSTEM :CONT.ATMOSPHRE PRG/MKUP
TAG :2CP-B4SB-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-2141

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-B4SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS DBA:1YR TOTAL 500 CYC	NORM:40YRS 40000CYC DBA:30DAYS 120CYC	OPER. REVIEW	NORM:REF 1 P.4-1,DBA: P.4-21 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	NORM:120F DBA:FIG E1B-3.2SH1	TAB21A FSAR SEC 3.11B	NORM:REF 1 P.4-1,DBA: P.4-21 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,P.I-2, I-8
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	NORM:1 ATM DBA:SEE FIG E2B-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1 P.4-21 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,P.I-8
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	NORM:40% DBA:100%	HAB21 FSAR SEC 3.11B	NORM:REF 1 P.8-1,DBA: REF1,P.8-2 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	3000 PPM BORON PH7.5-10.5	CAB21 FSAR SEC 3.11B	REF 1 P.4-4 SRSC 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTES: 1.ALL SRS ARE IN TAB E2
MODEL AND SERIAL #: NP831665E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.0E8 2.0E8	RAB21R6 FSAR SEC 3.11B	REF 1 P.4-3 & 4-4 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR PRESS FOR PNEUMATIC OPERATOR CYLINDER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1 P.9-4 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB21									
COORDINATES X- 1429.0 Y- 1664.0 Z- 255.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

OSBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT# AQS-21678/TR,REV A,JULY 1979

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2141

REVISION # :00
DATE :09/06/84

SYSTEM :CONT.ATMOSPHRE PRG/MKUP
TAG :2CP-B4SB-1

A/E: EBASC[illegible] RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1.
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

C[illegible]2155

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3AC-B1SA-1 EQUIPMENT: TYPE BUTTERFLY VALVE	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MOTOR OPERATOR	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : BIF MODEL AND: SERIAL # SMB-0-25 W/H38C FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	RELATIVE HUMIDITY	10-100% (DBA) TABLE 3.11.0-1*	LATER		LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D & SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB5122 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-35 P.O #:435211 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1464. Y- 1581. Z- 307.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2155

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :3AC-B1SA-1

A/E: EBASCO SERVICES INC. | FACILITY: SHEARON HARRIS NPP - 1 | NSSS: WESTINGHOUSE - PWR | #- 0
UTILITY: CAROLINA POWER & LIGHT | COMPONENT EVALUATION SHEET | CAPACITY:900 MW(E) | CES#-2159

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3AC-B3SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE									
COMPONENT: MOTOR OPERATOR	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
MANUFACTURER: LIMITORQUE									MAINTAIN.:
MAJOR SUPPLIER : BIF	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	SUBCOMPONENTS:
MODEL AND: SMB-0-25 SERIAL # W/H3BC	RELATIVE HUMIDITY	10-100% (DBA) TABLE 3.11.0-1*	LATER		LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB5122 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-35									
P.O #: 435211	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1536. Y- 1581. Z- 307.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2159

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :3AC-B3SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]4- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2168

EQUIPMENT DESCRIPTION

TAG NO : 3AV-B4SB-1

EQUIPMENT: TYPE BUTTERFLY VALVE

COMPONENT: MOTOR OPERATOR

MANUFACTURER: LIMITORQUE

MAJOR SUPPLIER : BIF

MODEL AND: SERIAL # SMC-04-5

FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-35

P.O #: 435211

PLANT LOC.: AB31

COORDINATES X- 1585.
Y- 1724.
Z- 261.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2168

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :3AV-B4SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-2170

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3AV-85SR-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: LIMITORQUE MAJOR SUPPLIER : BIF	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-S FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: BE-35 P.O #: 435211 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFRSU PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1584. Y- 1759. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

DSBB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-217C

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :3AV-85S9-1

A/E: [redacted]O SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON [redacted]IS NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[redacted]EV#- 0
[redacted]ES#-2177

EQUIPMENT DESCRIPTION

TAG NO : 3CZ-B1SA-1

EQUIPMENT: TYPE BUTTERFLY VALVE

COMPONENT: MOTOR OPERATOR

MANUFACTURER:LIMITORQUE

MAJOR : SUPPLIER BIF

MODEL AND: SERIAL # SMB-00-10

FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:BE-35

P.O #:435211

PLANT LOC.: AB51

COORDINATES X- 1595.
Y- 1675.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2177

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B1SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2189

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B17SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER: BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: SMB-00-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1600.0 Y- 1684.0 Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2189

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B17SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2191

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B18SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE .	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR								
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : BIF								
MODEL AND SERIAL #: SMB-00-15	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT. DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION								
ACCUR., SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: BE-35	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
P.O #: 435211								
PLANT LOC.: AB51	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1600. Y- 1680. Z- 305.0								

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS
*
*

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2191

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : 3CZ-B18SB-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-2193

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B19SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE BUTTERFLY VALVE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # SMC-04-5	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1621.0 Y- 1677.0 Z- 305.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2193

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B19SA-1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

0588 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] SVICES INC. FACILITY: SHEARON HARR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) 7-2195

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-82SP-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TA851A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PA951 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HA851 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CA851 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMB-00-10	R GAMMA A BETA D & SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RA851 25 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 FARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SA851 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-35								
P.O #: 435211								
PLANT LOC.: AB51								
COORDINATES X- 1595. Y- 1668. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1.

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2195

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-82SB-1

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS

A/E: EB[illegible] .ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0.
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2197

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-820SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: SMC-04-5	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-35									
P.O #: 435211									
PLANT LOC.: AB51									
COORDINATES X- 1630. Y- 1677. Z- 305.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2197

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-820SB-1

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]N- 0
[illegible]-2199

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B21SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	PAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:BE-35								
P.O #:435211								
PLANT LOC.: AB51								
COORDINATES X- 1630. Y- 1677. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2199

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B21SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]EET CAPACITY:900 MW(E) CES#-2201

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B22SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE COMPONENT: MOTOR OPERATOR	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : BIF MODEL AND SERIAL #: SMC-04-5	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:RE-35 P.O #:435211 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1644. Y- 1690. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

**QUALIF: LATER
STATUS

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

Q588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2201

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B22SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2203

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-823SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

SPECIFICATIONS: BE-35

ACCUR. DEM.: NOT APPLICABLE

P.O #: 435211

PLANT LOC.: AB51

COORDINATES X- 1625.0
Y- 1693.0
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2203

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-823SA-1

A/E: [illegible] J SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible] HEET CAPACITY:900 MW(E) [illegible]ES#-2205

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B24SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SMB-04-5 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1630. Y- 1693. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2205

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B24SB-1

A/E: B[illegible]O SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]ES#-2207

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B25SA-1	OPERABIL-ITY NORM/TEST	LATER	LATER	OPER. REVIEW	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	DBA				SRSO 3.3SH1				
COMPONENT: MOTOR OPERATOR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BIF									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-15	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA D B SHIELD S T.I.D.	100% 3.7E4							
SPECIFICATIONS:BE-35	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1609. Y- 1683. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2207

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B25SA-1

EQ. PCK # : 3.3SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] S NPP - 1
COMPONENT EVALUAT[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] REV#- 0
[illegible] CES#-2209

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3C7-B26SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMB-00-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-35

P.O #: 435211

PLANT LOC.: AB51

COORDINATES X- 1605.
Y- 166C.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2209

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B26SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2213

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B32SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER. SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: SMB-00-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1600.0 Y- 1695.0 Z- 305.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2213

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B32SA-1

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-2215

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B33SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE BUTTERFLY VALVE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # SMB-005-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:BE-35

P.O #:435211

PLANT LOC.: AB51

COORDINATES X- 1600.0
Y- 1690.0
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2215

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B33SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible], NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2222

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CZ-B5SA--1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : BIF SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SMB-00-5 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-35									
P.O #:435211									
PLANT LOC.: AB51									
COORDINATES X- 1604. Y- 1696. Z- 305.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2222

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-B5SA--1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

DSER CATEG.: A
APPENDIX E

A/E: E[illegible]O SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]S NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]V#- 0
[illegible]ES#-2224

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B6SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: LIMITORQUE MAJOR SUPPLIER : BIF	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMB-00-5 FUNCT. DES & SERVICE: ACTUATE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	RADIATION GAMMA BETA B SHIELD T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
SPECIFICATIONS: BE-35 P.O #: 435211 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1607.0 Y- 1696.0 Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2224

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : 3CZ-B6SB-1

A/E: EE[illegible] SERVICES INC. FACILITY: SHEARON H[illegible], NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- D
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2226

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-B7SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMB-00-5	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ACTUATE VALVE AND CONTROL POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-35

P.O #: 435211

PLANT LOC.: AB51

COORDINATES X- 1596.
Y- 1655.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS
*
*

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2226

REVISION # : 00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : 3CZ-B7SA-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]#-2229

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CZ-BBSB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: BUTTERFLY VALVE TYPE COMPONENT: MOTOR OPERATOR	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : BIF MODEL AND SERIAL #: SMB-00-5	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE VALVE AND CONTROL POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:BE-35 P.O #:435211 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1596.0 Y- 1653.0 Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2229

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :3CZ-BBSB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2286

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W34SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	80F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB51J FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: ASCO	RELATIVE HUMIDITY	40% NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	*N/A	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP-83208175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.05E8 2.05E8	RAB5122 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	*N/A FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1571.
Y- 1612.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

DSER CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2286

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W34SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]FET CAPACITY:900 MW(E) CES#-2314

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : A1-R11-ESF-B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS013.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: 9800SERVICE AIR TYPE (STATION AIR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST13.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: TERMINAL BLOCK	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP13.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
MANUFACTURER:GE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR13.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB21									
COORDINATES X- 1584. Y- 1529. Z- 236.0									

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	13.2SH1
TEMPERATURE T	13.2SH1
PRESSURE P	13.2SH1
REL. HUMDTY H	13.2SH1
CHEM. SPRAY C	13.2SH1
RADIATION R	13.2SH1
AGING A	13.2SH1
SUBMERGENCE S	13.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:13.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:13.2SH1

CES#-2314

REVISION # :00
DATE :

SYSTEM :CNTRL BOARDS& PNL(I&C)
TAG :A1-R11-ESF-B

EQ. PCK # : 13.2SH1

*QUALIF: LATER
*STATUS

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP -,1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]FET CAPACITY:900 MW(E) [illegible]S#-2315

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : A1-R31-ESF-A	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS013.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: 9800SERVICE AIR TYPE (STATION AIR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST13.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: TERMINAL BLOCK	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP13.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: LATER SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR13.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

FUNCT.DES: & SERVICE

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:

P.O #:

PLANT LOC.: AB11

COORDINATES X- 1414.
Y- 1609.
Z- 216.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARA-METER	SUPPL. REVIEW
OPERABILITY O	13.2SH1
TEMPERATURE T	13.2SH1
PRESSURE P	13.2SH1
REL. HUMDTY H	13.2SH1
CHEM. SPRAY C	13.2SH1
RADIATION R	13.2SH1
AGING A	13.2SH1
SUBMERGENCE S	13.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:13.2SH1

REFERENCES:

0588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:13.2SH1

CES#-2315

REVISION # :00
DATE :

SYSTEM :CNTRL BOARD&S PNL(I&C)
TAG :A1-R31-ESF-A

EQ. PCK # : 13.2SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2318

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CP AUX FW P 1X-SAB	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS074.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST74.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: CONTROL PANEL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP74.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER:TERRY	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR74.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS74.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB21								
COORDINATES X- 1525. Y- 1520. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CRHR

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 74.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	74.1SH1
TEMPERATURE T	74.1SH1
PRESSURE P	74.1SH1
REL. HUMDTY H	74.1SH1
CHEM. SPRAY C	74.1SH1
RADIATION R	74.1SH1
AGING A	74.1SH1
SUBMERGENCE S	74.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:74.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:74.1SH1

CES#-2318

REVISION # :00
DATE :

SYSTEM :AUXILIARY FEEDWTR
TAG :CP AUX FW P 1X-

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0.
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2323

EQUIPMENT DESCRIPTION

TAG NO : CP EHC24 1X-SA RAB

EQUIPMENT: 9600COMPRESSD A
TYPE IRCIN DG AIR

COMPONENT: CONTROL PANEL

MANUFACTURER:BRASCH

MAJOR : SUPPLIER

MODEL AND: LATER
SERIAL #

FUNCT.DES: & SERVICE

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:

P.O #:

PLANT LOC.: AB51

COORDINATES X- 1602.
Y- 1669.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	10.1SH1
TEMPERATURE T	10.1SH1
PRESSURE P	10.1SH1
REL. HUMDTY H	10.1SH1
CHEM. SPRAY C	10.1SH1
RADIATION R	10.1SH1
AGING A	10.1SH1
SUBMERGENCE S	10.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2323

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CP EHC24 1X-SA

QUALIF: LATER
STATUS

EQ. PCK # : 10.1SH1

A/E: EBA[illegible] .ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY [illegible]KOLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2324

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CP EHC26 1X-SB RAB EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: CONTROL PANEL	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:BRASCH	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : SUPPLIER MODEL AND: LATER SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB512S FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: P.O #: PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1621. Y- 1660. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 10.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	10.1SH1
TEMPERATURE T	10.1SH1
PRESSURE P	10.1SH1
REL. HUMDTY H	10.1SH1
CHEM. SPRAY C	10.1SH1
RADIATION R	10.1SH1
AGING A	10.1SH1
SUBMERGENCE S	10.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2324

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CP EHC26 1X-SB

A/E: EB SERVICES INC. FACILITY: SHEARON H .S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI CAROLINA POWER & LIGHT COMPONENT EVALUATI HEET CAPACITY:900 MW(E) ES#-2326

EQUIPMENT DESCRIPTION

TAG NO : CP EHC30 1B-SB RAB

EQUIPMENT: 9600COMPRESSD A
TYPE IRCIN DG AIR

COMPONENT: CONTROL PANEL

MANUFACTURER:BRASCH

MAJOR :
SUPPLIER

MODEL AND: CP-78-00386
SERIAL #

FUNCT.DES:
& SERVICE

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:

P.O #:

PLANT LOC.: AB31

COORDINATES X- 1574.
Y- 1730.
Z- 261.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 10.1SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS01C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST1C.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP1C.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR1C.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS1C.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 10.1SH1
TEMPERATURE	T 10.1SH1
PRESSURE	P 10.1SH1
REL. HUMDTY	H 10.1SH1
CHEM. SPRAY	C 10.1SH1
RADIATION	R 10.1SH1
AGING	A 10.1SH1
SUBMERGENCE	S 10.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2326

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :CP EHC30 1B-SB

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1 . NSSS: WESTINGHOUSE - PWR
COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]S#-2332

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CP E6 1B SB F D FT EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR COMPONENT: FIRE DET.PANEL MANUFACTURER:BRASCH MAJOR : SUPPLIER MODEL AND: LATER SERIAL # FUNCT.DES: & SERVICE ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: P.O #: PLANT LOC.: AB31 COORDINATES X- 1582. Y- 1740. Z- 261.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS010.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP10.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR10.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS10.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARA-METER	SUPPL. REVIEW
OPERABILITY O	10.1SH1
TEMPERATURE T	10.1SH1
PRESSURE P	10.1SH1
REL. HUMDTY H	10.1SH1
CHEM. SPRAY C	10.1SH1
RADIATION R	10.1SH1
AGING A	10.1SH1
SUBMERGENCE S	10.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:10.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:10.1SH1

CES#-2332

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CP E6 1B SB F D

*QUALIF: LATER
*STATUS

EQ. PCK # : 10.1SH1

A/E: EP[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible] AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:90[illegible] MW(E) [illegible]S#-2477

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : A1-C7-ESF-A	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS013.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST13.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: TERMINAL BLOCK	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP13.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:GE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR13.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS13.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1435. Y- 1660. Z- 261.0								
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARA-METER	SUPPL. REVIEW
OPERABILITY O	13.2SH1
TEMPERATURE T	13.2SH1
PRESSURE P	13.2SH1
REL. HUMDTY H	13.2SH1
CHEM. SPRAY C	13.2SH1
RADIATION R	13.2SH1
AGING A	13.2SH1
SUBMERGENCE S	13.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:13.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:13.2SH1

CES#-2477

REVISION # :00
DATE :

SYSTEM :CNTRL BOARDS& PNL(I&C)
TAG :A1-C7-ESF-A

EQ. PCK # : 13.2SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBA[illegible] ,ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2661

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 125V DC MCC DP-1A2	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 2.0SH1	COMP. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: DC DISTRIBUTION PANEL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: DISTRIBUTES DC & SERVICE POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB41									
COORDINATES X- 1461. Y- 1628. Z- 286.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 2.0SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2661

REVISION # :00
DATE :

SYSTEM :DC POWER DISTR.
TAG :125V DC MCC DP-

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible] HEET CAPACITY:900 MW(E) [illegible]ES#-2662

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/W (6)	OUTS ITEMS (7)	
TAG NO : 125V DC MCC DP-182	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: 9600COMPRESSD A TYPE IR(IN DG AIR	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: D.C.DISTRIBUTION PANEL	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE DISTRIBUTES DC POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB41									
COORDINATES X- 1537. Y- 1628. Z- 286.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2662

REVISION # :00
DATE :

SYSTEM :DC POWER DISTR.
TAG :125V DC MCC DP-

*QUALIF: LATER
*STATUS
*
*

EQ. PCK # : 2.0SH1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2685

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1A21-SA	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH 9 SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT: SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1
MANUFACTURER: GOULD									
MAJOR SUPPLIER : N/A	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # SERIES 5600									
FUNCT.DES: & SERVICE DISTRIBUTES AC POWER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TTD	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: E10B									
P.O #: 435143	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1461. Y- 1615. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1. GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2685

REVISION #: 00
DATE: 07/06/84

SYSTEM: AC POWER DISTR.
TAG: 480V MCC# 1A21-

EQ. PCK # : 2.0SH1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-2686

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1A22-SA	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: MOTOR CONTROL C TYPE ENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TA821A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT: SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PA821 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1 SUBCOMPONENTS:
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HA821 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA821 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
MODEL AND SERIAL #: SERIES 5600	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	1MRAD MINIMUM TID	RA821R6 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE: DISTRIBUTES AC POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA821 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: E10B									
P.O #: 435143									
PLANT LOC.: AB21									
COORDINATES X- 1545. Y- 1769. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

EQ. PCK # : 2.0SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1. GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2686

REVISION # :00
DATE :07/06/84

SYSTEM : AC POWER DISTR.
TAG : 480V MCC# 1A22-

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2688

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1A31-SA	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT: SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1
MANUFACTURER: GOULD									
MAJOR : SUPPLIER N/A									SUBCOMPONENTS:
MODEL AND: SERIAL # SERIES 560C	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100%	PAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DISTRIBUTES AC POWER									NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TID	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: E108									
P.O #:435143	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1473. Y- 1619. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED
*STATUS

EQ. PCK # : 2.0SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

USER CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2688

REVISION # :00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1A31-

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]#-2690

EQUIPMENT DESCRIPTION		ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO :	480V MCC# 1A34-SA	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT:	SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1
MANUFACTURER:	GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
MODEL AND: SERIAL #	SERIES 5600	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TID	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	DISTRIBUTES AC POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC:	NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.:	NOT APPLICABLE									
SPECIFICATIONS:	E10B									
P.O #:	435143									
PLANT LOC.:	AB41									
COORDINATES X-	1474.									
Y-	1633.									
Z-	286.0									
INSTALLED (Y/N):	LTR									
INSTAL. REF:	BY-FLD									
QUALIF EXEMPTN:	NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	2.0SH1
TEMPERATURE T	2.0SH1
PRESSURE P	2.0SH1
REL. HUMDTY H	2.0SH1
CHEM. SPRAY C	2.0SH1
RADIATION R	2.0SH1
AGING A	2.0SH1
SUBMERGENCE S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2690

REVISION # :00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1A34-

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 2.0SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-2692

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1A36-SA	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT: SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB51 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
MODEL AND: SERIAL # SERIES 5600	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	1MRAD MINIMUM TID	RAB5125 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DISTRIBUTES AC POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: E10B									
P.O #: 435143									
PLANT LOC.: AB51									
COORDINATES X- 1628. Y- 1670. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	2.0SH1
TEMPERATURE T	2.0SH1
PRESSURE P	2.0SH1
REL. HUMDTY H	2.0SH1
CHEM. SPRAY C	2.0SH1
RADIATION R	2.0SH1
AGING A	2.0SH1
SUBMERGENCE S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2692

REVISION #: 00
DATE: 07/06/86

SYSTEM: AC POWER DISTR.
TAG: 480V MCC# 1A36-

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 2.0SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILITY: [illegible]AROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]EET CAPACITY:900 MW(E) CES#-2693

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1B21-SP	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT: SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1
MANUFACTURER: GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # SERIES 5600	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TID	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE DISTRIBUTES AC POWER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: E10B									
P.O #:435143									
PLANT LOC.: AB41									
COORDINATES X- 1537. Y- 1615. Z- 286.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2693

REVISION # :00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1B21-

EQ. PCK # : 2.0SH1

*QUALIF: QUALIFIED
*STATUS

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]#-2696

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1B31-SB EQUIPMENT: MOTOR CONTROL C TYPE ENTERS	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SEE NOTE (1) OF CES	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: PG.35 REF 1
MANUFACTURER:GOULD	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: PGS.31832 REF 1
MAJOR : N/A SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIES 5600 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: DISTRIBUTES & SERVICE AC POWER									NOTE 1:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TID	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:E10B P.O #:435143 PLANT LOC.: AB41	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1527. Y- 1618. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	2.0SH1
TEMPERATURE T	2.0SH1
PRESSURE P	2.0SH1
REL. HUMDTY H	2.0SH1
CHEM. SPRAY C	2.0SH1
RADIATION R	2.0SH1
AGING A	2.0SH1
SUBMERGENCE S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2696

REVISION # :00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1B31-

EQ. PCK # : 2.0SH1

*QUALIF: QUALIFIED
*STATUS
*
*

A/E: ED[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]; NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-2698

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 480V MCC# 1B34-SB EQUIPMENT: TYPE MOTOR CONTROL CENTERS COMPONENT: SEE NOTE (1) OF CES MANUFACTURER:GOULD MAJOR : SUPPLIER N/A MODEL AND: SERIAL # SERIES 5600 FUNCT.DES: & SERVICE DISTRIBUTES AC POWER ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:E10B P.O #:435143 PLANT LOC.: AB41 COORDINATES X- 1527. Y- 1630. Z- 286.0	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH 9 SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB41 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: PGS.31&32 REF 1 SUBCOMPONENTS:
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB41 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMP. TEST & SUPPL. REVIEW	/	NONE	REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	1MRAD MINIMUM TID	RAB4117 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2698

REVISION #:00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1B34-

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

EQ. PCK # : 2.0SH1

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]S#-2700

EQUIPMENT DESCRIPTION		ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO :	480V MCC# 1B36-SB	OPERABILITY NORM/TEST DBA	40YRS + 1YR DBA	40YRS + 1YR DBA	OPER. REVIEW	REF 1 ATTACH B SRSO 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	MOTOR CONTROL CENTERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF 1 PG.20 SRST 2.0SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: PG.35 REF 1
COMPONENT:	SEE NOTE (1) OF CES	PRESSURE	ATMOS NORM ATMOS DBA	ATMOSPHERIC	PAB51 FSAR SEC 3.11B	REF 1 PG.9 SRSP 2.0SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: PGS.31&32 REF 1 SUBCOMPONENTS:
MANUFACTURER:	GOULD	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSH 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1: REFER TO SRS SC 2.0SH1 FOR IDENTIFICATION OF ALL MCC SUBCOMPONENTS
MAJOR : SUPPLIER	N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL #	SERIES 5600	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	1MRAD MINIMUM TID	RAB5125 FSAR SEC 3.11B	REF 1 PGS.107 TO 110 SRSR 2.0SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	DISTRIBUTES AC POWER	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF 1 PGS.20,107 TO 110 SRSA 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC:	NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 2.0SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.:	NOT APPLICABLE									
SPECIFICATIONS:	E10B									
P.O #:	435143									
PLANT LOC.:	AB51									
COORDINATES X-	1595.									
Y-	1660.									
Z-	305.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	2.0SH1
TEMPERATURE	T	2.0SH1
PRESSURE	P	2.0SH1
REL. HUMDTY	H	2.0SH1
CHEM. SPRAY	C	2.0SH1
RADIATION	R	2.0SH1
AGING	A	2.0SH1
SUBMERGENCE	S	2.0SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 2.0SH1

REFERENCES: 1.GOULD QUALIFICATION REPORT CC-323.74-54

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 2.0SH1

CES#-2700

REVISION #.:00
DATE :07/06/84

SYSTEM :AC POWER DISTR.
TAG :480V MCC# 1B36-

EQ. PCK # : 2.0SH1

A/E: [illegible].O SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-2761

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : S-64(1X-SA)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: FANS TYPE	TEMPERATURE	105F NORM 105F DBA	105F NORM 105F DBA	TAB51G FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE INSTR MANUAL
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE INSTR MANUAL
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%	HAB51 FSAR SEC 3.11B	REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : JOY	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8 2.04E8	RAB5122 FSAR SEC 3.11B	REF 1 P.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE PROVIDE VENT FOR ESF EQUIPMENT	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YRS	10 CFR50 PARA.50.51	REF 1 P.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-17A									
P.O #: 435263									
PLANT LOC.: AB51									
COORDINATES X- 1473. Y- 1629. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.2SH1
TEMPERATURE	T	4.2SH1
PRESSURE	P	4.2SH1
REL. HUMDTY	H	4.2SH1
CHEM. SPRAY	C	4.2SH1
RADIATION	R	4.2SH1
AGING	A	4.2SH1
SUBMERGENCE	S	4.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1. RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978, TOGETHER WITH SUPPLEMENTAL REPORT REV 2 DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-2761

REVISION # :00
DATE :07/09/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :S-64(1X-SA)

A/E: EF[illegible]J SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-2762

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : S-65(1X-SB)	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	>40YRS NORM >1YR DBA	OPER. REVIEW	REF 1 P.21 SRSO 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: FANS TYPE	TEMPERATURE	105F NORM 105F DBA	105F NORM 105F DBA	TAB51G FSAR SEC 3.11B	REF 1 P.21 SRST 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS NORM ATMOS DBA	PAB51 FSAR SEC 3.11B	REF 1 P.21 SRSP 4.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: RELIANCE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%		REF 1 P.21 SRSH 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : JOY	CHEMICAL SPRAY	NOT APPLICABLE	NA	CAB51 FSAR SEC 3.11B	NA SRSC 4.2SH1	N/A	/	NONE
MODEL AND: SERIAL # RH INSULATION	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8 2.04E8	RAB5122 FSAR SEC 3.11B	REF 1 P.14 & 21 SRSR 4.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE PROVIDE VENT FOR ESF EQUIPMENT	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	>40YPS	10 CFR50 FARA.50.51	REF 1 P.21 SRSA 4.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	NA	SAB51 FSAR SEC 3.11B	NA SRSS 4.2SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-17A								
P.O #: 435263								
PLANT LOC.: AB51								
COORDINATES X- 1544. Y- 1627. Z- 305.0								

REPLACEMENT: SEE INSTR MANUAL
MAINTAIN.: SEE INSTR MANUAL
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 4.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.2SH1
TEMPERATURE T	4.2SH1
PRESSURE P	4.2SH1
REL. HUMDTY H	4.2SH1
CHEM. SPRAY C	4.2SH1
RADIATION R	4.2SH1
AGING A	4.2SH1
SUBMERGENCE S	4.2SH1

Q588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.2SH1

REFERENCES: 1.RELIANCE ELECTRIC CO. MOTOR QUALIFICATION REPORT NUC-9, DATED JULY 1,1978,TOGETHER WITH SUPPLEMENTAL REPORT REV 2 DATED 7/15/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.2SH1

CES#-2762

REVISION # :00
DATE :07/09/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :S-65(1X-SB)

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-2763

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : P1A-SA SW BOOSTER EQUIPMENT: TYPE MOTORS	OPERABILITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D36 SRSO 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SERVICE WATER BOOSTER PUMP	TEMPERATURE	104F NORM 104F DBA	311F	TAB21A FSAR SEC 3.11B	REF(1) PG.D31 SRST 4.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE 1
MANUFACTURER: GOULD PUMPS,INC (SEIMENS ALLIS)	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PAB21 FSAR SEC 3.11B	REF(1) SRSP 4.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE 1
MAJOR SUPPLIER : N/A									SUBCOMPONENTS:
MODEL AND: SERIAL # 447TS / EL-8-51 03-90232-2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%RH	HAB21 FSAR SEC 3.11B	REF(1) PG.D32 SRSH 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE DRIVES SERVICE WATER BOOSTER PUMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 4.4SH1	N/A	/	NONE	NOTE 1:FOLLOW VENDOR'S RECOMM REPLACEMENT&MAIN SCH. SEE ALSO PGS C34, C37. SEE VENDOR INSTR MANUAL.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2ER RADS	RAB21R7 FSAR SEC 3.11B	REF(1) PG.D31 SRSR 4.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-13 P.O #:435042 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D36 SRSA 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1419. Y- 1578. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 4.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS FIELD VERIFICATION

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.4SH1
TEMPERATURE T	4.4SH1
PRESSURE P	4.4SH1
REL. HUMDTY H	4.4SH1
CHEM. SPRAY C	4.4SH1
RADIATION R	4.4SH1
AGING A	4.4SH1
SUBMERGENCE S	4.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.4SH1

REFERENCES: (1)SIEMENS-ALLIS QUALIFICATION REPORT #N08902322, REV 1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.4SH1

CES#-2763

REVISION # :00
DATE :07/03/84

SYSTEM :SERVICE WATER

TAG :P1A-SA SW

EQ. PCK # : 4.4SH1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]S#-2765

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : P1B-SB SW BOOSTER EQUIPMENT: TYPE MOTORS	OPERABIL-ITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D36 SRSO 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SERVICE WATER BOOSTER PUMP	TEMPERAT-URE	104F NORM 104F DBA	311F	TAB21A FSAR SEC 3.11B	REF(1) PG.D31 SRST 4.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE 1
MANUFACTURER: GOULD PUMPS,INC (SEIMENS ALLIS)	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PAB21 FSAR SEC 3.11B	REF(1) SRSP 4.4SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE 1
MAJOR SUPPLIER : N/A	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100%RH	HAB21 FSAR SEC 3.11B	REF(1) PG.D32 SRSH 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # 447TS / EL-8-51 03-90232-02 FUNCT.DES: & SERVICE DRIVES SERIVCE WATER BOOSTER PUMP	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 4.4SH1	N/A	/	NONE	NOTE 1:FOLLOW VENDOR'S RECOMM REPLACEMENT&MAIN SCH. SEE ALSO PGS D34, D37. SEE VENDOR INSTR MANUAL.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2E8 RADS	RAB2110 FSAR SEC 3.11B	REF(1) PG.D31 SRSR 4.4SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-13 P.O #:435042 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D36 SRSA 4.4SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1602. Y- 1571. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 4.4SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS FIELD VERIFICATION *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	4.4SH1
TEMPERATURE	T	4.4SH1
PRESSURE	P	4.4SH1
REL. HUMDTY	H	4.4SH1
CHEM. SPRAY	C	4.4SH1
RADIATION	R	4.4SH1
AGING	A	4.4SH1
SUBMERGENCE	S	4.4SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.4SH1

REFERENCES: (1)SIESMIC-ALLIS QUALIFICATION REPORT #N08902322, REV 1.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.4SH1

CES#-2765

REVISION # :00
DATE :07/03/84

SYSTEM :SERVICE WATER

TAG :P1B-SB SW

EQ. PCK # : 4.4SH1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-2826

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 280-V11SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A185E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05F8 2.05F8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1426. Y- 1688. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2826

REVISION # :00
DATE :09/04/84

SYSTEM :BLOWDOWN

TAG :280-V11SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0.
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-2827

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2BD-V11SA-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER: NAMCO	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1426. Y- 1688. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-2827

REVISION # :00
DATE :09/18/84

SYSTEM :BLOWDOWN

TAG :2BD-V11SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] NPP - 1 NSSS: WESTINGHOUSE
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible] HEET CAPACITY:900 MW(E) [illegible]ES#-2828

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 28D-V15SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A185E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB21

COORDINATES X- 1494.
Y- 1623.
Z- 253.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1. ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CFS#-2828

REVISION # :00
DATE :09/04/84

SYSTEM :BLOWDOWN

TAG :28D-V15SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-2829

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 28D-V15SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1494. Y- 1623. Z- 253.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-2829

REVISION # :00
DATE :09/18/84

SYSTEM :BLOWDOWN

TAG :28D-V15SA-1

EQ. PCK # : 9.1SH1

D588 CATEG.: A
APPENDIX E

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]-2830

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 280-V19SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	OPSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: NP-8320A185E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1689. Z- 255.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 3.2SH1
TEMPERATURE	T 3.2SH1
PRESSURE	P 3.2SH1
REL. HUMDTY	H 3.2SH1
CHEM. SPRAY	C 3.2SH1
RADIATION	R 3.2SH1
AGING	A 3.2SH1
SUBMERGENCE	S 3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2830

REVISION # :00
DATE :09/04/84

SYSTEM :BLOWDOWN

TAG :280-V19SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible]. SERVICES INC.
UTILIT[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEAPON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] CES#-2831

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 28D-V19SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.1C-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.1C-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND: SERIAL # EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1689. Z- 255.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-2831

REVISION # :00
DATE :09/18/86

SYSTEM :BLOWDOWN

TAG :28D-V19SA-1

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]S NPP - 1
COMPONENT EVALUAT[illegible] HEET

NSSS: WESTINGHOUSE - PW[illegible]
CAPACITY:900 MW(E)

[illegible] ES#-2892

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CT-V145SB-1	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : YARWAY	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # SMB-00-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE RWST DISCH HEADER TO 3CT2-5SAB	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:M-34Y

P.O #:435056

PLANT LOC.: AB11

COORDINATES X- 1522.
Y- 1603.
Z- 219.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

REPLACEMENT: APP A REF(1)

MAINTAIN.: APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #B0058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT BU003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2892

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V145SB-1

EQ. PCK # : 3.3SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-2922

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CT-V2SA-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MOTOR OPERATOR	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMB-000 FUNCT.DES: & SERVICE INLET TO CONT SPRAY PUMP 1A-SA SUCTION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:M-32A P.O #:435013 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1451. Y- 1606. Z- 219.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
APP A REF(1)

MAINTAIN.:
APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CI

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT B0U03

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2922

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V2SA-1

EQ. PCK # : 3.3SH1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-2924

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 2CT-V21SA-1	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: APP A REF(1)
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: SB-00	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E7	RAB21R6 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ISOLATION VALVE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-32A									
P.O #: 435013									
PLANT LOC.: AB21									
COORDINATES X- 1466. Y- 1637. Z- 251.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2924

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V21SA-1

EQ. PCK # : 3.3SH1

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY: 900 MW(E) CES#-2926

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CT-V25SA-1	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: APP A REF(1)
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MANUFACTURER: LIMITORQUE									
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE INLET ON RWST 1X-SAB INLET FROM PUMP 1A-SA									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E7	RAB21R6 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-32A									
P.O #: 435013	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1432. Y- 1608. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1) LIMITORQUE REPORT #B0058
(2) APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT B0003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2926

REVISION # :00
DATE :09/27/84

SYSTEM : CONTAINMENT SPRAY
TAG : 2CT-V25SA-1

EQ. PCK # : 3.3SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: J SERVICES INC. FACILITY: SHEARON .IS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTIL CAROLINA POWER & LIGHT COMPONENT EVALUAT SHEET CAPACITY:900 MW(E) CES#-2928

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CT-V3SB-1	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1917 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # SMB-000	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.34E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE INLET TO CONT SPRAY PUMP 1B-SB SUCTION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-32A								
P.O #: 435013								
PLANT LOC.: AB11								
COORDINATES X- 1530. Y- 1606. Z- 219.0								

REPLACEMENT: APP A REF(1)

MAINTAIN.: APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2928

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V3SB-1

EQ. PCK # : 3.3SH1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]-2930

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CT-V43SB-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MOTOR OPERATOR	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : ANCHOR/DARLING SUPPLIER VALVE CO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SB-00 SERIAL #	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: ISOLATION & SERVICE VALVE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E7	RAB21R6 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
ACCUR. SPEC: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

SPECIFICATIONS:N-32A

P.O #:435013

PLANT LOC.: AB21

COORDINATES X- 1536.
Y- 1637.
Z- 251.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT B0003

REPLACEMENT:
APP A REF(1)

MAINTAIN.:
APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CI

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2930

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V43SB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 . NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]-2932

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CT-V49SB-1	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: APP A REF(1)
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: SMB-00	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E7	RAB21R6 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE INLET ON RWST 1X-SAB INLET FROM PUMP 1B-SB	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-32A									
P.O #: 435013									
PLANT LOC.: AB21									
COORDINATES X- 1568. Y- 1609. Z- 238.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80L03

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2932

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V49SB-1

EQ. PCK # : 3.3SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#-2938

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CT-V8SA-1 EQUIPMENT: TYPE VALVE OPERATORS COMPONENT: MOTOR OPERATOR MANUFACTURER:LIMITORQUE MAJOR : SUPPLIER YARWAY MODEL AND: SERIAL # SMB-00-15 FUNCT.DES: & SERVICE RWST DISCH HEADER TO 3CT2-5SAB ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-34Y P.O #:435056 PLANT LOC.: AB11 COORDINATES X- 1526. Y- 1603. Z- 219.0 INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
APP A REF(1)

MAINTAIN.:
APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CI

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #B0058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT B0003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2938

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :2CT-V8SA-1

EQ. PCK # : 3.3SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET -- CAPACITY:900 MW(E) [illegible]#-2940

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V44SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES & SERVICE: CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1451. Y- 1648. Z- 241.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2940

REVISION # :00
DATE :09/04/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V44SA-1

EQ. PCK # : 3.2SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-2941

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V44SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 1000300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1451. Y- 1648. Z- 241.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-2941

REVISION # :00
DATE :09/18/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V44SA-1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] CES#-2942

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V45SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1482. Y- 1629. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-2942

REVISION # :00
DATE :09/04/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V45SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:9C0 MW(E) [illegible]#-2943

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V45SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1482. Y- 1629. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SPSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-2943

REVISION # :00
DATE :09/18/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V45SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-2974

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 2IA-V34SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS03.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: PARKER HANNIFIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH ASCO SOLENOID
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # H202-NC-50	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13 64-51355	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-32A									
P.O #:435013									
PLANT LOC.: AB21									
COORDINATES X- 1470. Y- 1636. Z- 236.0									
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.2SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.2SH1

CES#-2974

REVISION # :00
DATE :

SYSTEM :INSTRUMENT AIR

TAG :2IA-V34SA-1

A/E: EBASC[illegible] :VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] PP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:9GL MW(E)

[illegible]-2975

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2IA-V34SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRS09.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # 02400X-2	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13 64-51355	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:M-32A								
P.O #:435013								
PLANT LOC.: AB21								
COORDINATES X- 1470. Y- 1636. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH

SAFETY FUNCTION:
CI

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:9.1SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:9.1SH1

CES#-2975

REVISION # :00
DATE :

SYSTEM :INSTRUMENT AIR

TAG :2IA-V34SA-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]2978

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2MD-V77SB-1	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: MOTOR OPERATOR									REPLACEMENT: APP A REF(1)
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MAJOR SUPPLIER : ANCHOR/DARLING VALVE CO									SUBCOMPONENTS:
MODEL AND: SERIAL # SMB-000	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONT SUMP PUMP DISCH THRU PENET M-46	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-32A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435013									
PLANT LOC.: AB11									
COORDINATES X- 1558. Y- 1656. Z- 230.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1) LIMITORQUE REPORT #80058
(2) APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-2978

REVISION # :00
DATE :09/27/84

SYSTEM : MISC. DRAINS

TAG : 2MD-V77SB-1

EQ. PCK # : 3.3SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]3088

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3MS-V17SAB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-66H								
P.O #: 435176								
PLANT LOC.: AB21								
COORDINATES X- 1515. Y- 1520. Z- 238.0								

REPLACEMENT:
REF 1,FIG.1,
P.C-5
MAINTAIN.:
REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CI

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3088

REVISION # :00
DATE :09/04/84

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PW
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V17SAB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-113D2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

OSB8 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3089

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PW
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3HS-V18SAB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE(1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO									
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-6736B/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3090

REVISION # :00
DATE :09/04/84

SYSTEM :MAIN STEAM

TAG :3HS-V18SAB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SH CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 3MS-V18SAB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3091

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V18SAB-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-813SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	NOT AVAILABLE	LATER		LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	N	NONE	MAINTAIN.:
MANUFACTURER: LIMITORQUE									SUBCOMPONENTS:
MAJOR SUPPLIER : BLAKE EQUIPMENT	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.D-1	LATER		LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # SMB-00-10-H2BC									
FUNCT.DES: & SERVICE SW RETURN HDR A TO NORM SW DISCH HDR	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-44									
P.O #: 435082	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1636. Y- 1578. Z- 239.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

*QUALIF: LATER
*STATUS
*
*

EQ. PCK # : 3.3SH1

0588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3102

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-813SB-1

A/E: EBAS[illegible] VICES INC. FACILITY: SHEARON HARRI[illegible] P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-B14SB-1	OPERABIL-ITY NORM/TEST	LATER	LATER	OPER. REVIEW	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	DBA				SRSO 3.3SH1			
COMPONENT: MOTOR OPERATOR	TEMPERAT-URE	95F NORM 95F DBA	LATER	TY031R FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT								
MODEL AND SERIAL #: SMB-00-10-H2BC	RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HY031 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE SW RETURN HDR B TO NORM SW DISCH HDR								
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: M-44								
P.O #: 435082	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB21								
COORDINATES X- 1636. Y- 1575. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3104

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-B14SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - P[illegible]
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-B64SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM FOR DBA FIG E1A- 3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A- 3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP832DA175E	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.75E8 2.75E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB11									
COORDINATES X- 1447. Y- 1608. Z- 218.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R G DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3124

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :3SW-B64SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: [illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] .S NPP - 1
COMPONENT EVALUAT[illegible] SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] CES#-3125

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-B64SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.74E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1447. Y- 1608. Z- 218.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3125

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-B64SA-1

EQ. PCK # : 9.1SH1

A/E: EBAS[illegible] .VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible] [illegible]P - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-B65SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM FOR DBA FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO									
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1558. Y- 1614. Z- 228.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3126

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :3SW-B65SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-3127

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-865SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.34E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1558. Y- 1614. Z- 228.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3127

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-865SB-1

A/E: EP[illegible] SERVICES INC.
UTILIT[illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible], NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PW[illegible]
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-870SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR									
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BLAKE EQUIPMENT									SUBCOMPONENTS:
MODEL AND SERIAL #: SMC-04-2-HOBC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: SW FROM SW SUPPLY HDR A TO AUX FW PMP 1X-SAB BACK UP LIN									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-44	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435082									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COORDINATES X- 1496. Y- 1548. Z- 240.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3130

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-870SA-1

A/E: EBA[illegible] ADVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]3132

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-B71SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # SMC-04-2-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-44								
P.O #:435082								
PLANT LOC.: AB21								
COORDINATES X- 1504. Y- 1548. Z- 240.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

OSP8 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3132

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-B71SA-1

A/E: EBASCO /ICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS P - 1
COMPONENT EVALUATION S

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-872SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-2-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE SW FROM SW SUPPLY HDR B TO AUX FW PUMP 1X-SAB BACK UP LI	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEP.: NOT APPLICABLE								
SPECIFICATIONS:M-44								
P.O #:435082								
PLANT LOC.: AB21								
COORDINATES X- 1518. Y- 1548. Z- 240.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3134

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-872SB-1

A/E: EQ SERVICES INC. FACILITY: SHEARON H S NPP - 1 NSSS: WESTINGHOUSE
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION

TAG NO : 3SW-B73SB-1

EQUIPMENT: TYPE PRIMARY ELEMENT

COMPONENT: MOTOR OPERATOR

MANUFACTURER: LIMITORQUE

MAJOR SUPPLIER : BLAKE EQUIPMENT

MODEL AND: SERIAL # SMC-04-2-HOBC

FUNCT.DES: & SERVICE

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-44

P.O #: 435082

PLANT LOC.: AB21

COORDINATES X- 1510. Y- 1548. Z- 240.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-ELD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3136

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-B73SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-B74SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : MILLER ENERGY INC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: SMC-04-2-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE FROM 3SW10-68SA-1 TO AUX FW PUMP 1A-SA SUCT	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: M-44									
P.O #: 435082									
PLANT LOC.: AB21									
COORDINATES X- 1493. Y- 1521. Z- 238.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

0588 CATEG.: A
APPENDIX E

QUALIF: LATER
STATUS

EQ. PCK # : 3.3SH1

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3138

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-B74SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION

TAG NO : 3SW-V237SA-1

EQUIPMENT: VALVE OPERATORS
TYPE

COMPONENT: SOLENOID VALVE

MANUFACTURER: PARKER HANNIFIN

MAJOR : ANCHOR DARLING
SUPPLIER

MODEL AND: H202 NC-50
SERIAL #

FUNCT.DES: LATER
& SERVICE

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-32A

P.O #: 435013

PLANT LOC.: AB21

COORDINATES X- 1646.
Y- 1538.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

ENVIRONMENT PARAMETER	1 ACTUAL	2 DEM. QUALIF.	DOCUMENTATION 3 ACTUAL	4 DEM. QUALIF.	5 QUALIF. METHOD	6 H/M	7 OUTS ITEMS
OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE
PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DFF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: TO BE REPLACED WITH ASCO SOLENOIDS.

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3154

REVISION # :00
DATE :

SYSTEM : SERVICE WATER

TAG : 3SW-V237SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V237SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: LIMIT SWITCHES TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # D2400X-2	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	RADIATION: GAMMA	1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
	BETA								
	B SHIELD	100%							
	S T.I.D.	1.8E4							
SPECIFICATIONS: M-32A									
P.O #: 435013	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1538. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3155

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V237SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V238SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
MANUFACTURER: PARKER HANNIFIN									MAINTAIN.:
MAJOR SUPPLIER : ANCHOR DARLING	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # H202 NC-50	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									NOTE 1:TO BE REPLACED WITH ASCO SOLENOIDS.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-32A	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435013									
PLANT LOC.: AB21									
COORDINATES X- 1645. Y- 1538. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3156

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V238SB-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON [illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible]EET | CAPACITY:900 MW(E) | [illegible]-3157.

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-V238SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: LIMIT SWITCHES TYPE	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.B-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : ANCHOR DARLING	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: D240GX-2	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB211G FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-32A								
P.O #: 435013								
PLANT LOC.: AB21								
COORDINATES X- 1645. Y- 1538. Z- 236.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: TO BE REPLACED WITH EA180 LIMIT SWITCH

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

EQ. PCK # :

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3157

REVISION # :00
DATE :

SYSTEM : SERVICE WATER

TAG : 3SW-V238SB-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V266SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: SOLENOID VALVE									
MANUFACTURER: PARKER HANNIFIN									MAINTAIN.:
MAJOR SUPPLIER : MILLER ENERGY INC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND SERIAL # : H202 NC-50	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									NOTE 1:TO BE REPLACED WITH ASCO SOLENOIDS.
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	RADIATION (GAMMA, BETA, B SHIELD, S T.I.D.)	1.8E4 100% 1.8E4	LATER	RAB211G FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-32A									
P.O #:435013	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1549. Z- 237.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SA821 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3158

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V266SA-1

EQ. PCK # :

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V266SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
MANUFACTURER:NAMCO									MAINTAIN.:
MAJOR SUPPLIER : MILLER ENERGY INC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # D2400X-2	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.1-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
FUNCT.DES: & SERVICE LATER									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	RADIATION GAMMA BETA B SHIELD T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-32A									
P.O #:435013	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1549. Z- 237.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3159

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V266SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 · NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET · CAPACITY:900 MW(E) [illegible]-3160

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-V267SB-1	OPERABILITY NORP/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: PARKER HANNIFIN	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : MILLER ENERGY INC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: H202 NC-50	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-32A								
P.O #: 435013								
PLANT LOC.: AB21								
COORDINATES X- 1646. Y- 1548. Z- 237.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1: TO BE REPLACED WITH ASCO SOLENOIDS.

SAFETY FUNCTION: SS

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3160

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V267SB-1

A/E: E[illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]S NPP - 1
COMPONENT EVALUATI[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]ES#-3161

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V267SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	NOT AVAILABLE	LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
MAJOR SUPPLIER : MILLER ENERGY INC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B.	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # D2400X-2	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-32A									
P.O #:435013									
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1548. Z- 237.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3161

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V267SB-1

EQ. PCK # :

*QUALIF: LATER
*STATUS

A/E: EBASCO [illegible] ICES INC. | FACILITY: SHEARON HARRIS [illegible] - 1 | NSSS: WESTINGHOUSE - PWR
UTILITY: C[illegible]NA POWER & LIGHT | COMPONENT EVALUATION SH[illegible] | CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V480SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 27,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	NOT AVAILABLE	127F NORM FOR DBA FIG E1A-3.2SH1		REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	OPSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	100% NORM 100% DBA		REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435176									
PLANT LOC.: AB11									
COORDINATES X- 1393. Y- 1615. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3162

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :3SW-V480SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-3163

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V480SB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	NOT AVAILABLE	104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-113C2 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.D-1	100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1393. Y- 1615. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1;

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3163

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-V480SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SH CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V481SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	NOT AVAILABLE	120F NORM FOR DBA FIG E1A-3.2SH1		REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	OPSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.0-1	100% NORM 100% DBA		REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1393. Y- 1609. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3164

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :3SW-V481SA-1

EQ. PCK # : 3.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES#-3165

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V481SA-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100/300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	NOT AVAILABLE	104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-100% (DBA) TABLE 3.11.2-1	100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PAR4.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTIONS: SS
COORDINATES X- 1393. Y- 1609. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3165

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-V481SA-1

EQ. PCK # : 9.1SH1

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

10CFR CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 . NSSS: WESTINGHOUSE - PWR
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B45SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : BLAKE EQUI SUPPLIER PMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SMC-04-5-HOBC SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: SW SUPPLY TO C & SERVICE ONTMT FAN COOL ER AH-2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-44									
P.O #:435082									
PLANT LOC.: AB11									
COORDINATES X- 1545. Y- 1645. Z- 230.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3172

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B45SA-1

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-846SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-H08C	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE SW SUPPLY TO CONTMT FAN COOLER AH-3	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-44								
P.O #: 435082								
PLANT LOC.: AB11								
COORDINATES X- 1455. Y- 1645. Z- 230.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3174

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-846SA-1

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EBAS[illegible] PVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]3176

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-B47SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE MAJOR SUPPLIER : BLAKE EQUIPMENT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-HOBC FUNCT.DES: & SERVICE SW RETURN FROM CONTMT FAN COOLER AH-3	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:M-44 P.O #:435082 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1470. Y- 1635. Z- 230.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3176

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B47SA-1

EQ. PCK # : 3.3SH1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 — NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B48SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: SMC-04-5-HCBC	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE SW RETURN FROM CONTMT FAN COOLER AH-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-44									
P.O #: 435082									
PLANT LOC.: AB11									
COORDINATES X- 1453. Y- 1648. Z- 230.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3178

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B48SB-1

EQ. PCK # : 3.3SH1

A/E: EBAS[illegible] .VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 3180

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	M/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-B49SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: SW RETURN FROM CONTMT FAN COOLER AH-2	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:M-44								
P.O #:435082								
PLANT LOC.: AB11								
COORDINATES X- 1529. Y- 1635. Z- 230.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3150

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B49SA-1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]3182

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-B50S8-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE SW RETURN FROM CONTMT FAN COOLER AH-4	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-44								
P.O #: 435082								
PLANT LOC.: AB11								
COORDINATES X- 1550. Y- 1649. Z- 230.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3182

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B50S8-1

*QUALIF: LATER
*STATUS
*
*

EQ. PCK # : 3.3SH1

0588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-B51SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-HDBC	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE SW SUPPLY TO CONTMT FAN COOLER AH-4	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:M-44								
P.O #:435C82								
PLANT LOC.: AB11								
COORDINATES X- 1552. Y- 1653. Z- 230.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/M): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3184

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-B51SB-1

EQ. PCK # : 3.3SH1

OSHR CATEG.: A
APPENDIX E

A/E: E[illegible] SERVICES INC.
UTILI[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATI[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2SW-852SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB11A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB11 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB11 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB11 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-5-HUBC	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	LATER	RAB11R3 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: SW SUPPLY TO CONTMT FAN COOLER AH-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB11 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:M-44

P.O #:435082

PLANT LOC.: AB11

COORDINATES X- 1448.
Y- 1652.
Z- 230.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3186

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :2SW-852SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-3188

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B88SAB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE SW SUPPLY TO NON SAFETY HVAC COOLERS									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3188

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :2SW-B88SAB-1

EQ. PCK # : 3.2SH1

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-BRPSAB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 4)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL # FUNCT.DES: POSITION & SERVICE INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.7458	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #:435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3189

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-B88SAB-1

EQ. PCK # : 9.1SH1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B90SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB11	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
COORDINATES X- 1435. Y- 1660. Z- 230.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3192

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :2SW-B90SB-1

EQ. PCK # : 3.2SH1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-890SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 10[illegible]300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE PRIMARY ELEMENT	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND: SERIAL # EA-180-113C2	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04ER	RAB11R3 FSAR SEC 3.11B	REF(1) PG.1C-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFRSO PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB11									
COORDINATES X- 1435. Y- 166L. Z- 220.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3193

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-890SB-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3AF-P1SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF(2)
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9MH20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF(2)
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE	
MODEL AND SERIAL #: NH90	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE VALVE OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CHR
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE	
ACCUR. DEF.: NOT APPLICABLE									

SPECIFICATIONS: M-66M

P.O #: 435176

PLANT LOC.: AB21

COORDINATES X- 1484.
Y- 1521.
Z- 248.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED *
*STATUS *
* *
****

EQ. PCK # : 3.10SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.10SH1
TEMPERATURE T	3.10SH1
PRESSURE P	3.10SH1
REL. HUMDTY H	3.10SH1
CHEM. SPRAY C	3.10SH1
RADIATION R	3.10SH1
AGING A	3.10SH1
SUBMERGENCE S	3.10SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:3.10SH1

REFERENCES: (1)NH90 QUALIFICATION REPORT #721.77.095.
(2)NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:3.10SH1

CES#-3214

REVISION # :00
DATE :09/14/84

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-P1SA-1

A/E: EBA[illegible] RVICES INC. FACILITY: SHEARON PAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible] ULINA POWER & LIGHT COMPONENT EVALUATION [illegible] T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3AF-P1SA-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA		TA821A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH#1(1 OF 2)									
MANUFACTURER: ITT HAMMEL DAHL /CONOFL	PRESSURE	ATMOS NORM ATMOS DBA		PA821 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BLAKE EQUIPMENT									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HA821 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CA821 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RA821R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66N									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CRHR
PLANT LOC.: AB21									
COORDINATES X- 1484. Y- 1521. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE		SA821 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3215

REVISION # :00
DATE :

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-P1SA-1

EQ. PCK # :

C585 CATEG.: A
APPENDIX E

*QUALIF:
*STATUS

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] PP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3AF-P2SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 1YR DBA	40YRS NORM 1YR DBA	OPER. REVIEW	REF(1)P-6 SRS03.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	122F NORM & DBA	TAB21A FSAR SEC 3.11B	REF(1) ADD#2 P-2 SRST3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: ELECTRO-HYD OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	9MH20	PAB21 FSAR SEC 3.11B	REF(1)P-2 SRSP3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM & DBA	HAB21 FSAR SEC 3.11B	REF(1)P-6 SRSH3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC3.10SH1	N/A	/	NONE
MODEL AND SERIAL #: NH90	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	5.0E6 NORM & DBA	RAB21R7 FSAR SEC 3.11B	REF(1)P-6 SRSR3.10SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
FUNCT.DES: & SERVICE VALVE OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1)P-6 SRSA3.10SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS3.10SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-66M								
P.O #: 435176								
PLANT LOC.: AB21								
COORDINATES X- 1499. Y- 1520. Z- 248.0								

REPLACEMENT: REF(2)

MAINTAIN.: REF(2)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CHR

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED
*STATUS
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.10SH1
TEMPERATURE	T	3.10SH1
PRESSURE	P	3.10SH1
REL. HUMDTY	H	3.10SH1
CHEM. SPRAY	C	3.10SH1
RADIATION	R	3.10SH1
AGING	A	3.10SH1
SUBMERGENCE	S	3.10SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.10SH1

REFERENCES:
(1) NH90 QUALIFICATION REPORT #721.77.095.
(2) NH91 & NH95 ACTUATOR MAINTENANCE SCHEDULE #721.81.132.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.10SH1

CES#-3216

REVISION # : 00
DATE : 09/14/84

SYSTEM : AUXILIARY FEEDWTR.
TAG : 3AF-P2SB-1

EQ. PCK # : 3.10SH1

A/E: EBAS[illegible] ICES INC. FACILITY: SHEARON HARRI[illegible] - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : 3AF-P2SB-1	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH#2(2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RAB21R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CPHR .
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66N									
P.O #:435176									
PLANT LOC.: AB21									
COORDINATES X- 1499. Y- 1520. Z- 248.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

*QUALIF:
*STATUS

EQ. PCK # :

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3217

REVISION # :00
DATE :

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-P2SB-1

A/E: EP[illegible] SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]IS NPP - 1
COMPONENT EVALUATI[illegible] HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]-3218

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3AF-V187SA-1	OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TA821A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: APP A REF(1)
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PA821 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MANUFACTURER: LIMITORQUE									
MAJOR SUPPLIER : YARWAY									SUBCOMPONENTS:
MODEL AND SERIAL #: SMB-00-15	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HA821 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: AUX FEED PUMP 1A-SA RECIRC TO COND STORAGE TANK	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA821 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E7	RA821R7 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-34Y									
P.O #: 435056	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CRHR
PLANT LOC.: AB21									
COORDINATES X- 1478. Y- 1533. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA821 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #B0058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT BU003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3218

REVISION # :00
DATE :09/27/84

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-V187SA-1

EQ. PCK # : 3.3SH1

A/E: EBAS[illegible] VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]P - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION

TAG NO : 3AF-V188SB-1

EQUIPMENT: VALVE OPERATORS
TYPE

COMPONENT: MOTOR OPERATOR

MANUFACTURER:LIMITORQUE

MAJOR : YARWAY
SUPPLIER

MODEL AND: SMB-00-15
SERIAL #

FUNCT.DES: AUX FEED PUMP
& SERVICE 1B-SB RECIRC
TO COND STOR
TANK

ACCUR. SPEC: NOT
APPLICABLE

ACCUR. DEM.: NOT
APPLICABLE

SPECIFICATIONS:M-34Y

P.O #:435056

PLANT LOC.: AB21

COORDINATES X- 1493.
Y- 1533.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.3SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E7	RAB21R7 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
APP A REF(1)

MAINTAIN.:
APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CRHR

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT B0003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3220

REVISION # :00
DATE :09/27/84

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-V188SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-P1SB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1572. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3243

REVISION # :00
DATE :07/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-P1SB-1

A/E: EBA[illegible] VICES INC. FACILITY: SHEARON HAR[illegible] P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-82SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3244

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-92SA-1.

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible]EET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-B2SA-1	OPERABIL-ITY NORM/TEST OBA	40YRS NORM 500 CYC 1YR OBA	40YRS NORM 100,200 CYC 1YR OBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F OBA	104F NORM 104F OBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS OBA	ATM NORM ATM OBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% OBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3245

REVISION # :00
DATE :09/18/84

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-92SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - F[illegible]
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible] HEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-B3SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.35E8 2.35E8	PAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3246

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-B3SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 3CH-83SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS. NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TA821A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)									REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PA821 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW									SUBCOMPONENTS:
MODEL AND: EA180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HA821 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA821 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RA821R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: A821									
COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA821 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3247

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-83SA-1

EQ. PCK # : 9.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: [illegible] SERVICES INC.
UTIL[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] .S NPP - 1
COMPONENT EVALUAT[illegible] SHEET

NSSS: WESTINGHOUSE - PW[illegible]
CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CH-B4SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	OPSTG NORM FOR DBA FIG F2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:M-66H								
P.O #:435176								
PLANT LOC.: AB21								
COORDINATES X- 1584. Y- 1521. Z- 245.0								

REPLACEMENT: REF 1,FIG.1, P.C-5
MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3248

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-B4SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PW
UTILIT[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible] ET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-B4SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.94E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1584. Y- 1521. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3249

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-B4SB-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS P - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

TAG NO : 3CH-V128SA-1

EQUIPMENT: VALVE OPERATORS
TYPE

COMPONENT: SOLENOID VALVE

MANUFACTURER: ASCO

MAJOR : HAMMEL DAHL/
SUPPLIER CONOFLOW

MODEL AND: NP8320A175E
SERIAL #

FUNCT.DES: CONTROL AIR TO
& SERVICE PNEUM.OPERATOR

ACCUR. SPEC: NOT
APPLICABLE

ACCUR. DEM.: NOT
APPLICABLE

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1648.
Y- 1689.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.6,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 164F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.05E8 2.05E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

OSBP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3252

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V128SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 NSSS: WESTINGHOUSE - [illegible]
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible] HEET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V128SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT; TYPE VALVES	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND: SERIAL # EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1689. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/31.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3253

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V128SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V129SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	RADIATION: GAMMA, BETA, B SHIELD, S T.I.D.	3.7E4 100% 3.7E4	2.05E8 2.05E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5BC-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS: M-66H	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
P.O #:435176									
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1687. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

OSSB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3254

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V129SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE
UTILIT[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]ET CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V129SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.14E8	RAB512S FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1687. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3255

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V129SB-1

A/E: EBAS[illegible]VICES INC. FACILITY: SHEARON HARR[illegible] - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V130SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BLAKE EQUIPMENT									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE ESSENTIAL SERCH FOR AH-17 (1-4A-SA)	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-32P	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435022									
PLANT LOC.: AB51	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
COORDINATES X- 1648. Y- 1687. Z- 305.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3256

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V130SA-1

A/E: EBA[illegible] (VICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:9L0 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-875SA-1	OPERABIL-ITY NORM/TEST	LATER	LATER	OPER. REVIEW	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	DBA				SRSO 3.3SH1				
COMPONENT: MOTOR OPERATOR	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : MILLER ENERGY INC									SUBCOMPONENTS:
MODEL AND: SERIAL # SMC-04-2-HOBC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-44	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435082									
PLANT LOC.: AR21									
COORDINATES X- 1493. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3140

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-875SA-1

EQ. PCK # : 3.3SH1

DSBR CATEG.: A
APPENDIX E

****
*QUALIF: LATER *
*STATUS *
*
*
****

A/E: EBA[illegible] [illegible]VICES INC. FACILITY: SHEARON HARR[illegible] [illegible]P - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-B76SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : MILLER ENERGY INC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: SMC-04-2-HOBC	RADIATION: GAMMA, BETA, B SHIELD, S T.I.D.	2.6E4, 100%, 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE FROM 3SW10-74SB-1 TO AUX FW PUMP 1B-SB SUCT	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-44								
P.O #: 435082								
PLANT LOC.: AB21								
COORDINATES X- 1509. Y- 1526. Z- 238.0								
INSTALLED (Y/N): LTR								
INSTAL. REF: BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3142

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-B76SB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]-3144

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-877SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTUPER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : MILLER ENERGY INC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # 5MC-04-2-HOBC	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	LATER	RAB21R7 FSAR SEC 3.11B	LATER SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS:M-44									
P.O #:435G82									
PLANT LOC.: AB21									
COORDINATES X- 1509. Y- 1521. Z- 238.0									
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 3.3SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3144

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-877SB-1

A/E: EBA[illegible] RVICES INC. FACILITY: SHEARON HAR[illegible] IPP - 1 NSSS: WESTINGHOUSE - PWR
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E)

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-88SA-1	OPERABILITY NORM/TEST	LATER	LATER	OPER. REVIEW	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	DBA				SRSO 3.3SH1				
COMPONENT: MOTOR OPERATOR	TEMPERATURE	95F NORM 95F DBA	LATER	TYD31R FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: LIMITORQUE					SRST 3.3SH1				MAINTAIN.:
MAJOR SUPPLIER : BLAKE EQUIPMENT	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
					SRSP 3.3SH1				NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: SMB-00-10/H3BC	RELATIVE HUMIDITY	10-100%NRM 100% DBA	LATER	HYD31 FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE SW RETURN FROM AUX BLDG HDR. B TO SW RETURN					SRSH 3.3SH1				
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE					SRSC 3.3SH1				
ACCUR. DEP.: NOT APPLICABLE	RADIATION: GAMMA BETA B SHIELD T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	H	NONE	
					SRSR 3.3SH1				
SPECIFICATIONS: M-44	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435082					SRSA 3.3SH1				
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER	COMB. TEST & SUPPL. REVIEW	/	NONE	
COORDINATES X- 1636. Y- 1574. Z- 240.0					SRSS 3.3SH1				

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.3SH1
TEMPERATURE T	3.3SH1
PRESSURE P	3.3SH1
REL. HUMDTY H	3.3SH1
CHEM. SPRAY C	3.3SH1
RADIATION R	3.3SH1
AGING A	3.3SH1
SUBMERGENCE S	3.3SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3146

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-88SA-1

EQ. PCK # : 3.3SH1

*QUALIF: LATER
*STATUS
*
*

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-3258

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V85SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	127F NORM FOR DBA FIG F1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.35E8 2.35E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1665. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3258

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V85SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-3259

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V85S8-1	OPERABIL-ITY NORM/TEST	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	F	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1665. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3259

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V85S8-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]P - 1 NSSS: WESTINGHOUSE - PWR REV- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) -3260

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V86SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE									
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	123F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO									MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	OPSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: NP832DA175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.05E8 2.05E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1667. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3260

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V86SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] PP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-3261

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V86SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA180-113G2	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1) PG.4-3, 4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
FUNCT.DES: & SERVICE POSITION INDICATION	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.14E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. SPEC: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. DEM.: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1648.
Y- 1667.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1) NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3261

REVISION # :00
DATE :09/18/84

SYSTEM : ESS.SER.CHILLD WATER
TAG : 3CH-V86SA-1

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]3262

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CT-V85SA-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1817 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: MOTOR OPERATOR	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:LIMITORQUE	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : YARWAY SUPPLIER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SMB-00-15 SERIAL #	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: CONN BETWEEN 3 & SERVICE CT2-26SAB-1 & 3CT2-33SAB-1	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.14E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-34Y P.O #:435056 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1519. Y- 1603. Z- 219.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
APP A REF(1)

MAINTAIN.:
APP A REF(1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
CI

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3262

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :3CT-V85SA-1

EQ. PCK # : 3.3SH1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible]EET | CAPACITY:900 MW(E) | [illegible]ES#-3264

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CT-V88SB-1	OPERABIL-ITY NORM/TEST DBA	41YRS NORM 500 CYC	NORM: OVER 40YRS WITH 1917 CYC	OPER. REVIEW	REF(1)&(2) P.7,8&10 SRSO 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1)P.12 REF(2)P.10 SRST 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: APP A REF(1)
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(2)P.10 SRSP 3.3SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: APP A REF(1)
MANUFACTURER:LIMITORQUE	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(2)P.5 SRSH 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : YAPWAY	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N.A SRSC 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # SMB-00-15	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E7	RAB11R3 FSAR SEC 3.11B	REF(2) APP.II SRSR 3.3SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONN BETWEEN 3CT2-26SAB-1 & 3CT2-33SAB-1	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1)&(2) P.7 SRSA 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.3SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-34Y									
P.O #:435056									
PLANT LOC.: AB11									
COORDINATES X- 1515. Y- 1603. Z- 219.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.3SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.3SH1
TEMPERATURE	T	3.3SH1
PRESSURE	P	3.3SH1
REL. HUMDTY	H	3.3SH1
CHEM. SPRAY	C	3.3SH1
RADIATION	R	3.3SH1
AGING	A	3.3SH1
SUBMERGENCE	S	3.3SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.3SH1

REFERENCES:
(1)LIMITORQUE REPORT #80058
(2)APP D OUTSIDE CONTAINMENT QUALIFICATION REPORT 80003

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.3SH1

CES#-3264

REVISION # :00
DATE :09/27/84

SYSTEM :CONTAINMENT SPRAY
TAG :3CT-V88S9-1

A/E: D[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-3266

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B1SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A- 3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A- 3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.15E8 2.15E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: P-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1569. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

U588 CATEG.: A
APPENDIX B

FOR PUNCHLIST ITEMS SEE SM EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3266

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B1SB-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR - 0
UTILITY: C[illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]3267

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B1SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1569. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

USBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CFS#-3267

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B1SB-1

EQ. PCK # : 9.1SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-3268

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B2SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8;DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE(1 OF 2)									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP83208175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1567. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3268

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B2SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR - 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) -3269

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-82SA-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.1C-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1567. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	F	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

OSER CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3269

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-82SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-3270

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B3S8-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SPSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE(1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO									
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1535. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

U588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3270

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B3S8-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]ULINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] ,PP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- C
[illegible]-3271

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B3SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVES	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: FA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1535. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1.

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3271

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B3SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-3272

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B4SA-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1582. Y- 1537. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-6736R/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3272

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B4SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON [illegible] S NPP - 1 . NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible] HEET CAPACITY:900 MW(E) CES#-3273

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B4SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVES	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-113C2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1537. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3273

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B4SA-1

A/E: [illegible] SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-3276

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V111SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 3.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% - 3.7E4	2.35E8 2.35E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1647. Y- 1654. Z- 307.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #A9R-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3276

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SEP.CHILLD WATER
TAG :3CX-V111SA-1

A/E: EBAS[illegible] RVICES INC. FACILITY: SHEARON HARR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-3277

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V111SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1647. Y- 1654. Z- 307.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3277

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V111SA-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-3278

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-V113SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : PACIFIC	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15 (1A-SA)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEP.: NOT APPLICABLE								
SPECIFICATIONS: M-32P								
P.O #: 435022								
PLANT LOC.: AB51								
COORDINATES X- 1607. Y- 1687. Z- 305.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

USBB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3278

REVISION # :00
DATE :

SYSTEM : ESS.SER.CHILLD WATER
TAG : 3CX-V113SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS PP - 1 NSSS: WESTINGHOUSE - PWR - 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-3280

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V114SA-1 .	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TA851A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PA851 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HA851 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA851 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.05E8 2.05E8	RA851 25 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA851 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1681. Z- 305.0									

REPLACEMENT: REF 1,FIG.1, P.C-5
MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3280

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V114SA-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | S#-3281

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V114SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100/300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.74E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1681. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3281

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V114SA-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] RVICES INC. FACILITY: SHEARON HARI[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3282

EQUIPMENT DESCRIPTION	PARAMETER (1)	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V115SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.35E8 2.35E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1683. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3282

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V115SB-1

A/E: EBA[illegible] ERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]#-3283

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V115SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TA851A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PA851 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HA851 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA851 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.34E8	RA851 25 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1683. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA851 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3283

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V115SB-1

A/E: [illegible] J SERVICES INC.
UTIL[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible] IS NPP - 1
COMPONENT EVALUAT[illegible] HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] REV#- 0
[illegible] ES#-3286

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V122SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.P,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB31A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.05E8 2.05E8	RAB3111 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-66H									
P.O #:435176									
PLANT LOC.: AB31									
COORDINATES X- 1447. Y- 1626. Z- 264.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3286

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V122SA-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR. R#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) CES#-3287

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V122SA-1	OPERABIL-ITY NORM/TEST	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 10[illegible]300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # FA180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04ER	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1447. Y- 1626. Z- 264.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3287

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V122SA-1

A/E: EBAS[illegible].RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]3290

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V243SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : SUPPLIER HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA . D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.05E8 2.05E8	RAB211D FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1607. Y- 1579. Z- 250.0	SUBMERGED LEVEL.	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3290

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V243SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-3291

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-V243S8-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER: HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.34E8	RAB2110 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: M-66H								
P.O #: 435176								
PLANT LOC.: AB21								
COORDINATES X- 1607. Y- 1579. Z- 250.0								

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
(1) PG.4-3, 4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1) NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3291

REVISION # :00
DATE :09/18/84

SYSTEM : ESS.SER.CHILLD WATER
TAG : 3CX-V243S8-1

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]S NPP - 1
COMPONENT EVALUATI[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]S#-3292

EQUIPMENT DESCRIPTION

TAG NO : 3CX-V244SB-1

EQUIPMENT: TYPE VALVE OPERATORS

COMPONENT: SOLENOID VALVE

MANUFACTURER: ASCO

MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW

MODEL AND SERIAL #: NP832DA175E

FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEP.: NOT APPLICABLE

SPECIFICATIONS: M-66H

P.O #:435176

PLANT LOC.: AB31

COORDINATES X- 1546.
Y- 1626.
Z- 263.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB31A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.75E8 2.35E8	RAB3111 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

DS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

REPLACEMENT: REF 1,FIG.1, P.C-5
MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3292

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V244SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-3293

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V244SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.34E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SPSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1546. Y- 1626. Z- 263.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3293

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V244SB-1

EQ. PCK # : 9.1SH1

A/E: EBAS[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]3294

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V245SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.R,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB31A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.35E8 2.35E8	RAB3111 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435176									
PLANT LOC.: AB31									
COORDINATES X- 1550. Y- 1762. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

CSSE CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3294

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V245SB-1

A/E: EBA[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] .PP - 1 NSSS: WESTINGHOUSE - PWR 1- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3295

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V245SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE									
COMPONENT: LIMIT SWITCH (1 OF 2)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.74E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1550. Y- 1762. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATOPY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

G588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3295

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V245SB-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) CES#-3304

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 3CX-V63SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP832DA175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1489. Y- 1606. Z- 239.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

DOSR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3304

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V63SB-1

A/E: EBAS[illegible] SERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-3305

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-V63SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # EA-180-113C2	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEP.: NOT APPLICABLE								
SPECIFICATIONS: M-66H								
P.O #: 435176								
PLANT LOC.: AB21								
COORDINATES X- 1489. Y- 1606. Z- 239.0								

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3305

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V63SB-1

EQ. PCK # : 9.1SH1

A/E: [illegible], SERVICES INC. | FACILITY: SHEARON [illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | REV#- 0
UTILI[illegible] CAROLINA POWER & LIGHT | COMPONENT EVALUATI[illegible]HEET | CAPACITY:900 MW(E) | [illegible]ES#-3306

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	N/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V83SA-1	OPERABIL-ITY NORM/TEST	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	122F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES. & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1471. Y- 1620. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3306

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V83SA-1

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBA[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible] LINA POWER & LIGHT COMPONENT EVALUATION [illegible] T CAPACITY:900 MW(E) [illegible] -3307

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V83SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 50C CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH(1 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DFF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12. SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1471. Y- 1620. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-3307

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V83SA-1

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]NPP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]3310

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W10SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #:435176									
PLANT LOC.: AB21									
COORDINATES X- 1453. Y- 1546. Z- 240.0									

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3310

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W10SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- D
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3312

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W12SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.75E8 2.35E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1R4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1522. Y- 1609. Z- 260.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3312

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W12SB-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA. *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-3314

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W13SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TA821A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.05E8 2.05E8	RAB21R6 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1609. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

DOSE CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3314

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W13SB-1

A/E: EB[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]N- 0
[illegible]-3316

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W14SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	10PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1544. Y- 1547. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

D588 CATEG.: A
APPENDIX E

EQ. PCK # : 3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0,DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3316

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W14SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR R- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-3318

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W15SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	95F NORM 95F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TYD31R FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # NP8320A175E	RELATIVE HUMIDITY	10-100%NORM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT.
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.05E8 2.05E8	RAB2110 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435176									
PLANT LOC.: AB21									
COORDINATES X- 1636. Y- 1667. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

USBB CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3318

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W15SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3320

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W16SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB41A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.05E8 2.05E8	RAB4117 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1561. Y- 1635. Z- 286.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3320

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W16SA-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-3322

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W17SA-1	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: NH91K4002F1-L220	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15 (1A-SA)	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66N

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1605.0
Y- 1686.0
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3322

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W17SA-1

EQ. PCK # :

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3323

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W17SA-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)									
MANUFACTURER: ITT HAMMEL DAHL /CONOFL	PRESSURE	ATMOS NORM ATMOS DBA		PA851 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BLAKE EQUIPMENT									SUBCOMPONENTS:
MODEL AND SERIAL #: LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HA851 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE ESSENTIAL SERVICE FOR AH-15 (1A-SA)									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CA851 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RA85125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66N									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1607. Y- 1687. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3323

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W17SA-1

*QUALIF:
*STATUS

EQ. PCK # :

DSRR CATEG.: A
APPENDIX E

A/E: EBAS[illegible] .RVICES INC. FACILITY: SHEARON HARI[illegible] IPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:960 MW(E) [illegible]-3324

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W18SA-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TA851A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER: ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PA851 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HA851 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA851 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.05E8 2.05E8	RA851S FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1683. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA851 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3324

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W18SA-1

A/E: EB[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]-3328

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 3CX-W2SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA . FIG E1A-3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND SERIAL #: NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.0E8 2.0E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #:435176									
PLANT LOC.: AB11									
COORDINATES X- 1434. Y- 1634. Z- 218.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3328

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W2SA-1

A/E: EBA[illegible]ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-3332

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W21SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB01A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB01 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO									
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.15E8 2.35E8	RAB01R1 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1A4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB01									
COORDINATES X- 1565. Y- 1612. Z- 192.0	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	M	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFFRENCES: 1.ASCO TEST REPORT #AOR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3332

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W21SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3334

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W22SB-1	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB41A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.75E8 2.75E8	RAB4117 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB41									
COORDINATES X- 1458. Y- 1626. Z- 286.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

OSBP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3334

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W22SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]N-3336

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W23SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB41A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB41 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER: ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP832DA175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.05E8 2.05E8	RAB4117 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PAR4.50.51	REF 1,P.A3 FIG 184, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB41									
COORDINATES X- 1561. Y- 1627. Z- 286.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3336

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W23SB-1

EQ. PCK # : 3.2SH1

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-3338

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W24SB-1	OPERABILITY NORM/TEST			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: MOTOR OPERATOR	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: NH91K4002F1 -L220	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15 (1B-SB)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66N

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1607.
Y- 1652.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS
*
*

EQ. PCK # :

6588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3338

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W24SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]V-3339

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W24SP-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (1 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : BLAKE EQUIPMENT	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE ESSENTIAL SERVICE FOR AH-15 (1B-SB)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66N									
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1607. Y- 1652. Z- 305.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-3339

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W24SB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-3340

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W25SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB51A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB51 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.35E8 2.35E8	RAB5125 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:M-66H

P.O #:435176

PLANT LOC.: AB51

COORDINATES X- 1624.
Y- 1652.
Z- 305.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER	SUPPL.	REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

DSSR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3340

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W25SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-3346

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W3SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB01A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE									MAINTAIN.: REF 1,APP.C
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB01 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D R SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.05E8 2.05E8	RAB01R1 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1B4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB01									
COORDINATES X- 1565. Y- 1612. Z- 192.0	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	M	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 3.2SH1
TEMPERATURE	T 3.2SH1
PRESSURE	P 3.2SH1
REL. HUMDTY	H 3.2SH1
CHEM. SPRAY	C 3.2SH1
RADIATION	R 3.2SH1
AGING	A 3.2SH1
SUBMERGENCE	S 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3346

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W3SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-3348

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W32SA-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB31A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOL. VALVE									REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB31 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP83208175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.05E8 2.05E8	RAB3111 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1565. Y- 1660. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-3348

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W32SA-1

EQ. PCK # : 3.2SH1

10588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-4089

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : JB RM 1CR-3561A -SA	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE .	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: SAFETY FUSE									
MANUFACTUREP: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: LATER SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE									
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB31									
COORDINATES X- 1421. Y- 1678. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

DSRS CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4089

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :JB RM 1CR-3561A

EQ. PCK # : 8.7SH1

*QUALIF: LATER
*STATUS

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-4090

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : JB RM 1CR-3561B -SB	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SAFETY FUSE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1567. Y- 1654. Z- 261.0								
INSTALLED (Y/N): LTR								
INSTAL. REF:BY-FLD								
QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

PARA-METER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4090

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :JB RM 1CR-3561B

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

0588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] 0
[illegible]-4091

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : JB RM 1CR-3561C -SA	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SAS PT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: SAFETY FUSE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1443. Y- 1625. Z- 265.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4091

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :JB RM 1CR-3561C

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-4092

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : JB RM 1CR-3561D -SB	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: SAFETY FUSE	PRESSURE	ATMOS NORM ATMOS DBA	LATER	FAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:GENERAL ATOMIC	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB31									
COORDINATES X- 1579. Y- 1674. Z- 261.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4092

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :JB RM 1CR-3561D

EQ. PCK # : 8.7SH1

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NPP - 1
COMPONENT EVALUATION

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

0
4098

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : T ASSY RM 3504A -SA EQUIPMENT: SAS PT TYPE	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: LATER	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MANUFACTURER: LATER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	P	NONE
MAJOR SUPPLIER :								
MODEL AND SERIAL #: LATER	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE								
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:								
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB51								
COORDINATES X- 1594. Y- 1663. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

USBP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4098

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :T ASSY RM 3504A

A/E: EBASC[illegible].RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] D
C[illegible]4155

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-038SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04ER	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES. & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1464. Y- 1603. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

O588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES7-4155

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-038SB-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V- 0
[illegible]#-4156

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D34SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1553. Y- 1603. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4156

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D34SB-1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]S#-4159

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D62SA-1 EQUIPMENT: TYPE DAMPERS	OPERABIL-ITY NORM/TEST DBA	40YRS. NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180-22302 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: BE-25	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1515. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4159

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D62SA-1

EQ. PCK # : 9.2SH1

A/E: EBASC[illegible] .RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-4160

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-063SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.036 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.042-047 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.079-081 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.042-047 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.079-081 OF REF(1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.077 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.016 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.079-081 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1512. Y- 1586. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4160

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-063SB-1

A/E: EDS SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-4161

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D66SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: RE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1486. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4161

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D66SA-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-4162

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D67SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM. 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1488. Y- 1586. Z- 247.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4162

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D67SB-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EP[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]FET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]SN-4163

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D70SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180-22302 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1537. Y- 1596. Z- 247.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4163

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D70SA-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]S#-4164

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D71SB-1	OPERABILITY NORM/TEST DBA	40YRS.NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND SERIAL #: EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34ER	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB21									
COORDINATES X- 1537. Y- 1585. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-4164

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D71SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV# 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) CES#-4168

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CP-B2SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER : BIF									SUBCOMPONENTS:
MODEL AND SERIAL # : EA-180-32302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF VALVE POSITION IO N									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-35	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435211									
PLANT LOC.: AB21									
COORDINATES X- 1430. Y- 1665. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-4168

REVISION # :00
DATE :

SYSTEM : CONT.ATMOSPHRE PRG/MKUP
TAG : 2CP-B2SB-1

EQ. PCK # : 9.1/9.2

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-4170

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 2CP-84SB- 1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: PRIMARY ELEMENT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : BIF	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180-323C2	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	PAB21R6 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF VALVE POSITION IO N	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS: BE-35								
P.O #: 435211								
PLANT LOC.: AB21								
COORDINATES X- 1429. Y- 1664. Z- 255.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-4170

REVISION # : J0
DATE :

SYSTEM : CONT.ATMOSPHRE PRG/MKUP
TAG : 2CP-84S9- 1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]#-4483

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : LIT 1CT716LA SA	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB31A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LEVEL TRANSMITT EP	PRESSURE	ATMOS NORM ATMOS DBA		PAB31 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: TRNSAMERICA-DEL AVAL	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB31 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB31 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: RE-36562 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RAB3111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: CS CONT SUMP A & SERVICE LVL	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB31 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: IN33

P.O #: 435275

PLANT LOC.: AB31

COORDINATES X- 1435.
Y- 1660.
Z- 261.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CI

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4483

REVISION # :00
DATE :

SYSTEM :CONTAINMENT SPRAY
TAG :LIT 1CT716DA SA

A/E: [redacted] J SERVICES INC. FACILITY: SHEARON [redacted] IS NPP - 1 NSSS: WESTINGHOUSE - PWR [redacted] REV#- 0
UTIL[redacted] CAROLINA POWER & LIGHT COMPONENT EVALUA[redacted] SHEET CAPACITY:900 MW(E) [redacted] CES#-4484

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : LIT 1CT7161A SA	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SENSORS TYPE	TEMPERAT-URE	104F NORM 104F DBA		TA831A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LEVEL TRANSMITTER	PRESSURE	ATMOS NORM ATMOS DBA		PA831 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: TRNSAMERICA-DELAVAL	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HA831 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE		CA831 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: RE-36562	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4		RA83111 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTAINMENT WTR LEVEL (NARROW RANGE)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SA831 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW.	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: IN33									
P.O #: 435275									
PLANT LOC.: AB31									
COORDINATES X- 1435. Y- 1660. Z- 261.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF: STATUS

0588 CATEG.: A
APPENDIX E

EQ. PCK # :

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4484

REVISION # :00
DATE :

SYSTEM : CONTAINMENT SPRAY
TAG : LIT 1CT7161A SA

A/E: EBAS[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-4896

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : E/I 1CR 3561A S A	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: CURRENT TRANSMI TTER J B ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE LATER	AGE- INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1421. Y- 1675. Z- 261.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4896

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3561A S

A/E: EBA[illegible] RVICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-4897

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : E/I 1CR 3561B S B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: CURRENT TRANSMITTER J B ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1567. Y- 1660. Z- 261.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4897

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3561B S

EQ. PCK # : 8.7SH1

A/E: [illegible] J SERVICES INC. FACILITY: SHEARON [illegible] IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTIL[illegible] CAROLINA POWER & LIGHT COMPONENT EVALUAT[illegible] HEET CAPACITY:900 MW(E) [illegible] ES#-4898

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E/I 1CR 3561C S A	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: CURRENT TRANSMI TTER J B ASSY									
MANUFACTURER: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB31									
COORDINATES X- 1439. Y- 1640. Z- 261.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4898

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3561C S

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:9LO MW(E)

[illegible] D
[illegible]4899

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : E/I 1CR 3561D S B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE SAS PT	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: CURRENT TRANSMI TTER J B ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

MANUFACTURER: GENERAL ATOMIC

MAJOR : SUPPLIER

MODEL AND: SERIAL # LATER

FUNCT.DES: & SERVICE LATER

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:

P.O #:

PLANT LOC.: AB31

COORDINATES X- 1579.
Y- 1678.
Z- 261.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

PARA-METER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4899

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3561D S

A/E: EBAS[illegible].RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]4900

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : E/I 1CR 3563A S A	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: SAS PT TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: CURRENT TRANSMITTER J B ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB31								
COORDINATES X- 1418. Y- 1657. Z- 261.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4900

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3563A S

EQ. PCK # : 8.7SH1

A/E: EBA[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-4901

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E/I 1CR 3563B S B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE SAS PT	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: CURRENT TRANSMITTER J R ASSY	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: GENERAL ATOMIC	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB31									
COORDINATES X- 1582. Y- 1658. Z- 261.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4901

REVISION # :00
DATE :

SYSTEM :RAD.MONITORING

TAG :E/I 1CR 3563B S

A/E: EBAS[illegible] .RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]NPP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-4902

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E/I 1CZ 3504A S A EQUIPMENT: SAS PT TYPE	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: CURRENT TRANSMI TTER	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: LATER SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1594. Y- 1663. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	8.7SH1
TEMPERATURE	T	8.7SH1
PRESSURE	P	8.7SH1
REL. HUMDTY	H	8.7SH1
CHEM. SPRAY	C	8.7SH1
RADIATION	R	8.7SH1
AGING	A	8.7SH1
SUBMERGENCE	S	8.7SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4902

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :E/I 1CZ 3504A S

EQ. PCK # : 8.7SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]; NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]#-4903

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E/I-1CZ-35C4B-S B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE									
COMPONENT: CURRENT TRANSMI TTER	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: GENERAL ATOMIC									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 8.7SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE									
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 8.7SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1606. Y- 1696. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 8.7SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 8.7SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	8.7SH1
TEMPERATURE T	8.7SH1
PRESSURE P	8.7SH1
REL. HUMDTY H	8.7SH1
CHEM. SPRAY C	8.7SH1
RADIATION R	8.7SH1
AGING A	8.7SH1
SUBMERGENCE S	8.7SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 8.7SH1

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 8.7SH1

CES#-4903

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :E/I-1CZ-35U4B-S

A/E: EP[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]EV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:900 MW(E) [illegible]S#-4925

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : ISOL RACK A1-R4 5A	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMP. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE		LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: LATER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:LATER	RELATIVE HUMIDITY		LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:EQUIPMENT TO BE IDENTIFIED BY I&C.
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB21									
COORDINATES X- 1571. Y- 1710. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF:BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY	C
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4925

REVISION # :00
DATE :

SYSTEM :CNTRL BOARDS& PNL(I&C)
TAG :ISOL RACK A1-R4

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

10588 CATEG.: A
APPENDIX E

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-4926

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : ISOL RACK A1-R4 5B	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: SAS PT TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LATER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS:
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:EQUIPMENT TO BE IDENTIFIED BY I&C.
MODEL AND: LATER SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB21									
COORDINATES X- 1581. Y- 1687. Z- 236.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4926

REVISION # :00
DATE :

SYSTEM :CNTRL BOARDS& PNL(I&C)
TAG :ISOL RACK A1-R4

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]N- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-4985

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FP CLG P1 & 4A-SA	OPERABILITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D23 SRSO 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: MOTORS TYPE	TEMPERATURE	104F NORM 104F DBA	311F	TFH21A FSAR SEC 3.11B	REF(1) PG.D18 SRST 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE(1)
COMPONENT: FUEL POOL COOLING PUMP MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PFH21 FSAR SEC 3.11B	REF(1) SRSP 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE(1)
MANUFACTURER: SIEMENS-ALLIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% RH	HFH21 FSAR SEC 3.11B	REF(1) PG.D19 SRSH 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT 1.FOLLOW VENDOR RECOMMENDATION ON REPLACEMENT & MAINTENANCE SCHEDULE SEE VENDOR INSTRUCTION MANUAL
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CFH21 FSAR SEC 3.11B	N/A SRSC 4.5SH1	N/A	/	NONE	
MODEL AND: SERIAL # EL-8-5103-90232 -1	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	2E8 RADS	RFH21F1 FSAR SEC 3.11B	REF(1) PG.D18 SRSR 4.5SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE FUEL POOL COOLING PUMP DRIVE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D23 SRSA 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SFH21 FSAR SEC 3.11B	N/A SRSS 4.5SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-13									
P.O #: 435042									
PLANT LOC.: FH21									
COORDINATES X- 1621. Y- 1816. Z- 236.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	4.5SH1
TEMPERATURE	T	4.5SH1
PRESSURE	P	4.5SH1
REL. HUMDTY	H	4.5SH1
CHEM. SPRAY	C	4.5SH1
RADIATION	R	4.5SH1
AGING	A	4.5SH1
SUBMERGENCE	S	4.5SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.5SH1

REFERENCES: (1)SIEMENS-ALLIS QUALIFICATION REPORT #NO 8902321, REV 5.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.5SH1

CES#-4985

REVISION # :00
DATE :07/18/84

SYSTEM :SPNT FUEL POOL COOL&CLNUP
TAG :FP CLG P1 & 4A-

EQ. PCK # : 4.5SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS FIELD VERIFICATION *
*
*
****

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-4986

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FP CLG P1 & 4B-SR EQUIPMENT: MOTORS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D23 SRSO 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: FUEL POOL COOLING PUMP MOTOR	TEMPERATURE	104F NORM 104F DBA	311F	TFH21A FSAR SEC 3.11B	REF(1) PG.D18 SRST 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE(1)
MANUFACTURER: SIEMENS-ALLIS	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PFH21 FSAR SEC 3.11B	REF(1) SRSP 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE(1)
MAJOR : N/A SUPPLIER									SUBCOMPONENTS:
MODEL AND: EL-8-5103-90232 SERIAL # -1	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% RH	HFH21 FSAR SEC 3.11B	REF(1) PG.D19 SRSH 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE FUEL POOL COOLING PUMP DRIVE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CFH21 FSAR SEC 3.11B	N/A SRSC 4.5SH1	N/A	/	NONE	1.FOLLOW VENDOR RECOMMENDATION ON REPLACEMENT & MAINTENANCE SCHEDULE SEE VENDOR INSTRUCTION MANUAL
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	2E8 RADS	RFH21F1 FSAR SEC 3.11B	REF(1) PG.D18 SRSR 4.5SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-13	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D23 SRSA 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435042 PLANT LOC.: FH21									
COORDINATES X- 1633. Y- 1816. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SFH21 FSAR SEC 3.11B	N/A SRSS 4.5SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.5SH1
TEMPERATURE T	4.5SH1
PRESSURE P	4.5SH1
REL. HUMDTY H	4.5SH1
CHEM. SPRAY C	4.5SH1
RADIATION R	4.5SH1
AGING A	4.5SH1
SUBMERGENCE S	4.5SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.5SH1

REFERENCES: (1)SIEMENS-ALLIS QUALIFICATION REPORT #NQ 8902321, REV 5.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.5SH1

CES#-4986

REVISION # :00
DATE :07/18/84

SYSTEM :SPNT FUEL POOL COOL&CLNUP
TAG :FP CLG P1 & 4B-

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS FIELD VERIFICATION *
*
*
****

EQ. PCK # : 4.5SH1

G586 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-4987

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FP CLG P2 & 3A-SA EQUIPMENT: TYPE MOTORS COMPONENT: FUEL POOL COOLING PUMP MOTOR MANUFACTURER: SIEMENS-ALLIS MAJOR : SUPPLIER N/A MODEL AND: SERIAL # EL-8-5103-90232 -1 FUNCT.DES: & SERVICE FUEL POOL COOLING PUMP DRIVE ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: M-13 P.O #: 435042 PLANT LOC.: FH21 COORDINATES X- 1695. Y- 1816. Z- 236.0 INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC *QUALIF: QUALIFIED-AWAITING STATUS FIELD VERIFICATION	OPERABILITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D23 SRSO 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 104F DBA	311F	TFH21A FSAR SEC 3.11B	REF(1) PG.D18 SRST 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE(1)
	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PFH21 FSAR SEC 3.11B	REF(1) SRSP 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE(1) SUBCOMPONENTS:
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% RH	HFH21 FSAR SEC 3.11B	REF(1) PG.D19 SRSH 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT 1.FOLLOW VENDOR RECOMMENDATION ON REPLACEMENT & MAINTENANCE SCHEDULE SEE VENDOR INSTRUCTION MANUAL
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CFH21 FSAR SEC 3.11B	N/A SRSC 4.5SH1	N/A	/	NONE	
	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 100% 1.1E4	2ER PADS	RFH21F1 FSAR SEC 3.11B	REF(1) PG.D18 SRSR 4.5SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D23 SRSA 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SFH21 FSAR SEC 3.11B	N/A SRSS 4.5SH1	N/A	/	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY O	4.5SH1
TEMPERATURE T	4.5SH1
PRESSURE P	4.5SH1
REL. HUMDTY H	4.5SH1
CHEM. SPRAY C	4.5SH1
RADIATION R	4.5SH1
AGING A	4.5SH1
SUBMERGENCE S	4.5SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.5SH1

REFERENCES: (1)SIEMENS-ALLIS QUALIFICATION REPORT #NO 8902321, REV 5.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.5SH1

CES#-4987

REVISION # :00
DATE :07/18/84

SYSTEM :SPNT FUEL POOL COOL&CLNUP
TAG :FP CLG P2 & 3A-

EQ. PCK # : 4.5SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]/#- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:960 MW(E) [illegible]S#-4988

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : FP CLG P2 & 3B-SP	OPERABIL-ITY NORM/TEST DBA	40YRS NORM PLUS 1YR DBA	40YRS NORM PLUS 1YR DBA	OPER. REVIEW	REF(1) PG.D23 SRSO 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: MOTORS TYPE	TEMPERAT-URE	104F NORM 104F DBA	311F	TFH21A FSAR SEC 3.11B	REF(1) PG.D18 SRST 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE(1)
COMPONENT: FUEL POOL COOLING PUMP MOTOR	PRESSURE	ATMOS NORM ATMOS DBA	ATMOS	PFH21 FSAR SEC 3.11B	REF(1) SRSP 4.5SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE(1)
MANUFACTURER: SIEMENS-ALLIS	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% RH	HFH21 FSAR SEC 3.11B	REF(1) PG.D19 SRSH 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : N/A	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CFH21 FSAR SEC 3.11B	N/A SRSC 4.5SH1	N/A	/	NONE	1.FOLLOW VENDOR RECOMMENDATION ON REPLACEMENT & MAINTENANCE SCHEDULE SEE VENDOR INSTRUCTION MANUAL
MODEL AND: SERIAL # EL-8-5103-90232 -1	R GAMMA A BETA D B SHIELD S T.I.D.	1.1E4 . 100% 1.1E4	2E8 RADS	RFH21F1 FSAR SEC 3.11B	REF(1) PG.D18 SRSR 4.5SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE FUEL POOL COOLING PUMP DRIVE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF(1) PG.D23 SRSA 4.5SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SFH21 FSAR SEC 3.11B	N/A SRSS 4.5SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-13									
P.O #: 435042									
PLANT LOC.: FH21									
COORDINATES X- 1665. Y- 1816. Z- 236.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS FIELD VERIFICATION *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	4.5SH1
TEMPERATURE T	4.5SH1
PRESSURE P	4.5SH1
REL. HUMDTY H	4.5SH1
CHEM. SPRAY C	4.5SH1
RADIATION R	4.5SH1
AGING A	4.5SH1
SUBMERGENCE S	4.5SH1

G58R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 4.5SH1

REFERENCES: (1)SIEMENS-ALLIS QUALIFICATION REPORT #NQ 8902321, REV 5.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 4.5SH1

CES#-4988

REVISION # :00
DATE :07/18/84

SYSTEM :SPNT FUEL POOL COOL&CLNUP
TAG :FP CLG P2 & 3B-

EQ. PCK # : 4.5SH1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]S#-4995

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-V238SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: LIMIT SWITCHES TYPE	TEMPERAT-URE		LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY		LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : ANCHOR DARLING	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: D2400X-2SR	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100X 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:

P.O #:435013

PLANT LOC.: AB21

COORDINATES X- 1645.
Y- 1538.
Z- 236.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER
*STATUS
*
*
****

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH

SAFETY FUNCTION:
SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4995

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V238SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-4996

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3SW-V266SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: LIMIT SWITCHES TYPE	TEMPERAT-URE		LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PA821 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY		LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CA821 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # D2400X-2SR	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB21								
COORDINATES X- 1646. Y- 1549. Z- 237.0								
INSTALLED (Y/N): LTR								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH

SAFETY FUNCTION: SS

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4996

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V266SA-1

A/E: EB[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]S#-4997

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V267SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE LIMIT SWITCHES	TEMPERATURE		LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: NAMCO	RELATIVE HUMIDITY		LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # D2400X-2SR	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEF.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1548. Z- 237.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4997

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V267SB-1

EQ. PCK # :

*QUALIF: LATER
*STATUS

A/E: EBASC[illegible]RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]P - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
CE[illegible]998

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V237SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: LIMIT SWITCHES TYPE	TEMPERATURE		LATER		LATER SRST	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER:NAMCO	RELATIVE HUMIDITY		LATER		LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
MAJOR : ANCHOR DARLING SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: D2400X-2SR SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	LATER	RAB2110 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: LATER & SERVICE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-32A									
P.O #:435013									
PLANT LOC.: AB21									
COORDINATES X- 1646. Y- 1538. Z- 236.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-4998

REVISION # :00
DATE :

SYSTEM :SERVICE WATER

TAG :3SW-V237SA-1

*QUALIF: LATER
*STATUS

EQ. PCK # :

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-4999

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V243SB-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1) MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11320 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.04E8	RAB2110 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1607. Y- 1579. Z- 250.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.1SH1
TEMPERATURE	T 9.1SH1
PRESSURE	P 9.1SH1
REL. HUMDTY	H 9.1SH1
CHEM. SPRAY	C 9.1SH1
RADIATION	R 9.1SH1
AGING	A 9.1SH1
SUBMERGENCE	S 9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-4999

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V243SB-1

EQ. PCK # : 9.1SH1

A/E: EBASC[illegible]RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]000

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B4SA-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1582. Y- 1537. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5000

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B4SA-1

EQ. PCK # : 9.1SH1

A/E: [illegible] / SERVICES INC. FACILITY: SHEARON [illegible]IS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILI[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]HEET CAPACITY:900 MW(E) [illegible]ES#-5001

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-82SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
MODEL AND: EA180-11302 SERIAL #	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
FUNCT.DES: POSITION & SERVICE INDICATION ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176 PLANT LOC.: AB21 COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5001

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-82SA-1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]5002

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V122SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.34E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1447.0 Y- 1626.0 Z- 264.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5002

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V122SA-1

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]5003

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V245SB-1 EQUIPMENT: LIMIT SWITCHES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	106F NORM 106F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB31	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1550. Y- 1762. Z- 265.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY	O 9.1SH1
TEMPERATURE	T 9.1SH1
PRESSURE	P 9.1SH1
REL. HUMDTY	H 9.1SH1
CHEM. SPRAY	C 9.1SH1
RADIATION	R 9.1SH1
AGING	A 9.1SH1
SUBMERGENCE	S 9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5003

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V245SB-1

A/E: EBASC[illegible]RVICES INC.
UTILITY: [illegible]INA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]5004

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B3S8-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1535. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5004

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B3S8-1

A/E: E[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-5005

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B3SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVE OPERATORS	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: SOLENOID VALVE(2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.75E8 2.75E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 184, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:M-66H									
P.O #:435176									
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1535. Z- 245.0									
INSTALLED (Y/N): LTR INSTAL. REF:BY-FLD QUALIF EXEMPTN: NOT APPLIC									

REPLACEMENT: REF 1,FIG.1, P.C-5
MAINTAIN.: REF 1,APP.C
SUBCOMPONENTS:
NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5005

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B3SB-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES#-5006

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-B2SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1567. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

EQ. PCK # : 9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5006

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B2SA-1

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

0
[illegible]5007

TAG NO : 3CX-B2SA-1

EQUIPMENT: VALVE OPERATORS
TYPE

COMPONENT: SOLENOID VALVE(2 OF 2)

MANUFACTURER: ASCO

MAJOR : HAMMEL DAHL/
SUPPLIER CONOFLOW

MODEL AND: NP8320A175E
SERIAL #

FUNCT.DES: CONTROL AIR TO
& SERVICE PNEUM.OPERATOR

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB21

COORDINATES X- 1567.
Y- 1520.
Z- 245.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5 MAINTAIN.: REF 1,APP.C
	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5007

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-B2SA-1

EQ. PCK # : 3.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]5008

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-81SR-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 FARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1569. Y- 1520. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

U58R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1 .

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5008

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-81S9-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]ERVICES INC.
UTILITY: [illegible].INA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]5009

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CH-84SB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100/500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # EA180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: W-66H P.O #: 435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1584. Y- 1521. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT: SEE NOTE (1)

MAINTAIN.: SEE NOTE (1)

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

NOTE:
(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5009

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-94SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) 5010

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-B3SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 10)500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE VALVES	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5010

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-B3SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-5011

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-81SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TA821A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PA821 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HA821 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CA821 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RA821R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1572. Y- 1519. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SA821 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5011

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-81SB-1

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

V#- 0
#-5012

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CH-B1SB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 50C CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: SOL.VALVE	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:ASCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER : HAMMEL DAHL/ CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE
MODEL AND: SERIAL # NP8320A175E	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:M-66H								
P.O #:435176								
PLANT LOC.: AB21								
COORDINATES X- 1484. Y- 1521. Z- 248.0								

REPLACEMENT: REF 1,FIG.1, P.C-5
MAINTAIN.: REF 1,APP.C

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5012

REVISION # :00
DATE :09/04/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-B1SB-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5015

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D21SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH(2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM. 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1522. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5015

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D21SA-1

EQ. PCK # : 9.2SH1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHE[illegible]PON H[illegible] NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]#-5019

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D23SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MANUFACTURER:NAMCO MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180-22302 FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1499. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5019

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D23SA-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]-5020

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D24SB-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.24E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1499. Y- 1567. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5020

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D24SB-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- U
[illegible]-5021

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : AV-D27SA-1 EQUIPMENT: TYPE DAMPERS COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO MAJOR SUPPLIER : RUSKIN MODEL AND: SERIAL # EA-180-22302 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: A821 COORDINATES X- 1543. Y- 1565. Z- 236.0	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:
P.D79-D81 OF REF(1)
MAINTAIN.:
P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:
SS

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5021

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D27SA-1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON HA[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWP | [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-5022

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D26SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR : SUPPLIER RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1567. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5022

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D26SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5023

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D35SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB01 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180-22302 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04ER	RAB01R2 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB01									
COORDINATES X- 1584. Y- 1643. Z- 206.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5023

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D35SA-1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]- 0
[illegible]-5024

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D25SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180-22302									
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1452. Y- 1568. Z- 242.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

USRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/73.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5024

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D25SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5025

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D37SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180-22302									
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COORDINATES X- 1458. Y- 1594. Z- 249.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5025

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D37SA-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5026

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D13SA-1 EQUIPMENT: DAMPERS TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	SUBCOMPONENTS:
MODEL AND: EA-180-223C2 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICATION OF DAMPER POSITION & SERVICE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1417. Y- 1597. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5026

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D13SA-1

A/E: EBAS[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] IPP - 1 NSSS: WESTINGHOUSE - PWR W#- D
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5027

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-04SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1603. Z- 268.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5027

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-04SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR /#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5028

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D28SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-223C2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1572. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5028

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D28SB-1

EQ. PCK # : 9.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5029

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D20SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1476. Y- 1567. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5029

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D20SB-1

EQ. PCK # : 9.2SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBAS[illegible].RVICES INC. FACILITY: SHEARON HARR[illegible].PP - 1 NSSS: WESTINGHOUSE - PWR Y- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]-5030

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D19SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: REMOTE INDICAT & SERVICE .ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1476. Y- 1569. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5030

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D19SA-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-5031

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D10SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR : RUSKIN SUPPLIER									
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA	4.4E5							
	D B SHIELD	100%							
	S T.I.D.	2.6E4							
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1414. Y- 1694. Z- 271.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5031

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D10SB-1

EQ. PCK # : 9.2SH1

A/E: EBAS[illegible] PVICES INC. FACILITY: SHEARON HARI[illegible] IPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-5032

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D56SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEP.: NOT APPLICABLE.	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1465. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5032

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D56SA-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5033

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (5)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D57SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSM 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA	2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	A BETA								
	D B SHIELD	100%							
	S T.I.D.	2.6E4							
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1465. Y- 1574. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5033

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D57SB-1

EQ. PCK # : 9.2SH1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-5034

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-058SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS: BE-25	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1467. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF. EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS, SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5034

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-058SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5035

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D59SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1468. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5035

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D59SB-1

A/E: EBAS[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5036

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D11SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTUPER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180-22302 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: 8E-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1497. Y- 1597. Z- 247.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION P	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5C36

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D11SA-1

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]-5037

EQUIPMENT DESCRIPTION.	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D87SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITON									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.34E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1690. Z- 272.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5037

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D87SB-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION REPORT CAPACITY:900 MW(E) CES-5038

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D9SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	10-100% NORM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB31									
COORDINATES X- 1410. Y- 1694. Z- 271.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5038

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D9SA-1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) [illegible]5039

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D7SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42 TO D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.3E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79 TO D81. SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1427. Y- 1595. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5039

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D7SA-1

A/E: EBASC[illegible]RVICES INC. FACILITY: SHEARON HARR[illegible]P - 1 NSSS: WESTINGHOUSE - PWR D
UTILITY: C[illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) CE[illegible]040

EQUIPMENT DESCRIPTION

TAG NO : AV-069SB-1

EQUIPMENT: TYPE DAMPERS

COMPONENT: LIMIT SWITCH (2 OF 2)

MANUFACTURER: NAMCO

MAJOR : SUPPLIER RUSKIN

MODEL AND: SERIAL # EA-180

FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1538.
Y- 1574.
Z- 248.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE
RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT: P.D79-D81 OF REF(1)
MAINTAIN.: P.D79-D81 OF REF(1)
SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

C588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5040

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-069SB-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]5041.

EQUIPMENT DESCRIPTION

TAG NO : AV-D68SA-1

EQUIPMENT: DAMPERS
TYPE

COMPONENT: LIMIT SWITCH (2 OF 2)

MANUFACTURER: NAMCO

MAJOR : RUSKIN
SUPPLIER

MODEL AND: EA-180
SERIAL #

FUNCT.DES: REMOTE INDICAT
& SERVICE ION OF DAMPER POSITION

ACCUR. SPEC: NOT APPLICABLE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: BE-25

P.O #: 435205

PLANT LOC.: AB21

COORDINATES X- 1538.
Y- 1595.
Z- 248.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 9.2SH1

PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	
RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5041

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D68SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION CAPACITY:900 MW(E) 5042

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D65SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MAJOR SUPPLIER : RUSKIN									NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1479. Y- 1590. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1.

CESW-5042

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D65SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - G
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-5043

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CB-D1SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1396. Y- 1641. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5043

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :CB-D1SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]Y- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5044

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : CB-D2SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	P	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB41								
COORDINATES X- 1573. Y- 1686. Z- 295.0								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: PRRM

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5044

REVISION # :00
DATE :

SYSTEM : CONT.VACUUM RELIEF
TAG : CB-D2SB-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

REV#- 0
CES#-5045

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D64SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER:NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.14E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS:BE-25

P.O #:435205

PLANT LOC.: AB21

COORDINATES X- 1482.
Y- 1595.
Z- 247.0

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5045

REVISION # :00
DATE :09/18/84

SYSTEM :REAC[illegible]UX.BLDG
HV[illegible]
TAG :A[illegible]SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-5046

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D86SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB31									
COORDINATES X- 1580. Y- 1705. Z- 270.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

USRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5046

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D86SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5047

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D74SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: SERIAL # EA-180-22302 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:BE-25	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1548. Y- 1586. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5047

REVISION # :00
DATE :09/18/84

EQ. PCK # : 9.2SH1

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D74SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-5048

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D73SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE: REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1578. Z- 248.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5048

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D73SB-1

EQ. PCK # : 9.2SH1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-5049

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D75SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : SUPPLIER RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-22362	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.14E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1543. Y- 1585. Z- 247.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5049

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-D75SB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5050

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-072SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.036 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.042-047 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.079-081 OF REF(1) MAINTAIN.: P.079-081 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.042-047 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.077 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.016 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.079-081 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1546. Y- 1595. Z- 248.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

OSRP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5050

REVISION # :00
DATE :09/15/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-072SA-1

EQ. PCK # : 9.2SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5051

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D61SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.74E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1574. Z- 248.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/79.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5051

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D61SB-1

A/E: EBAS[illegible]RVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]5052

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D60SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1516. Y- 1595. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5052

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D60SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5053

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : E-6(19-SB)	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB31A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: DOOR SWITCH(2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB31 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB31 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB31 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-31302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	LATER	RAB3111 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB31 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB31									
COORDINATES X- 1584. Y- 1766. Z- 261.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF. EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5053

REVISION # :00
DATE :

SYSTEM :REAC.AUX.BLDG HVAC
TAG :E-6(19-SB)

EQ. PCK # :

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5054

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : 2C9-B1SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.:
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-32302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB41									
COORDINATES X- 1462. Y- 1634. Z- 295.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

DS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5054

REVISION # :00
DATE :

SYSTEM :CONT.VACUUM RELIEF
TAG :2C9-B1SA-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY: 900 MW(E) [illegible]-5055

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2C8-B2SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB41A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB41 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-32302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB41 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION									
	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB41 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	LATER	RAB4117 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: PRRM
PLANT LOC.: AB41									
COORDINATES X- 1575. Y- 1686. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB41 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

EQ. PCK # : 9.1/9.2

DSRS CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5055

REVISION # :00
DATE :

SYSTEM : CONT.VACUUM RELIEF
TAG : 2C9-92SA-1

A/E: EB[illegible] FRVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5056

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D10SB-1	OPERABIL-ITY NORK/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100700 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE:
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DOOR POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.34E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #:435205									
PLANT LOC.: AB41									
COORDINATES X- 1557. Y- 1616. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS : CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5056

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D10SB-1

A/E: EB[illegible] .ERVICES INC. | FACILITY: SHEARON HA[illegible] NPP -1 | NSSS: WESTINGHOUSE - PWR | [illegible]W#- 0
UTILITY[illegible]ROLINA POWER & LIGHT | COMPONENT EVALUATION [illegible]ET | CAPACITY:900 MW(E) | [illegible]#-5057

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D9SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DOOR POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.74E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1545. Y- 1616. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

DOBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5057

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D9SB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5058

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D7SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DOOR POSITION									NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.34E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1442. Y- 1618. Z- 295.0.	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5058

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D7SA-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR VR- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5059

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D17SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.74E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1427. Y- 1604. Z- 298.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5059

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D17SA-1

A/E: FB[illegible] SERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR #- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5060

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D18SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1422. Y- 1607. Z- 300.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5060

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D18SA-1

A/E: EBA[illegible] ERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
CE[illegible]-5061

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D55SB-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : RUSKIN SUPPLIER									SUBCOMPONENTS:
MODEL AND: EA-180 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DOOR POSITION									NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG 4-3,4-3.1,& 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: A841	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1574. Y- 1688. Z- 297.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5061

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D55SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

DSRP CATEG.: A
APPENDIX E

A/E: EBA[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR W#- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]#-5062

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL 1	DEM. QUALIF. 2	DOCUMENTATION ACTUAL 3	DEM. QUALIF. 4	QUALIF. METHOD 5	H/P 6	OUTS ITEMS 7	
TAG NO : AC-D19SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	N	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: EA-180 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEP.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1565. Y- 1632. Z- 294.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1.

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5062

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D19SB-1

EQ. PCK # : 9.2SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR V#- 0
UTILITY [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5063

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D8SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : SUPPLIER RUSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DOOR POSITION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB41									
COORDINATES X- 1456. Y- 1618. Z- 295.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5063

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D8SA-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR IN- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5064

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AC-D20SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB41A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB41 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB41 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DOOR POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB41 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 7.2E4 100% 2.6E4	2.04E8	RAB4117 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB41									
COORDINATES X- 1571. Y- 1683. Z- 294.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB41 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5064

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AC-D20SB-1

EQ. PCK # : 9.2SH1

10CFR CATEG.: A
APPENDIX F

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5065

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V17SAB-1 EQUIPMENT: VALVE OPERATORS TYPE	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE(2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG E2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW									SUBCOMPONENTS:
MODEL AND: NP832DA175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1515. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 3.2SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	3.2SH1
TEMPERATURE	T	3.2SH1
PRESSURE	P	3.2SH1
REL. HUMDTY	H	3.2SH1
CHEM. SPRAY	C	3.2SH1
RADIATION	R	3.2SH1
AGING	A	3.2SH1
SUBMERGENCE	S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5065

REVISION # :00
DATE :09/04/84

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5066

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V18SAB-1	OPERABILITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVE OPERATORS TYPE	TEMPERATURE	104F NORM 104F DBA	120F NORM FOR DBA FIG F1A-3.2SH1	TAB21A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
COMPONENT: SOLENOID VALVE(2 OF 2)									
MANUFACTURER:ASCO	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A-3.2SH1	PAB21 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: REF 1,APP.C
MAJOR SUPPLIER: HAMMEL DAHL/ CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: NP8320A175E	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: CONTROL AIR TO PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	RADIATION GAMMA BETA B SHIELD T.I.D.	2.6E4 100% 2.6E4	2.05E8 2.05E8	RAB21R7 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-5&C-8 SRSA 3.2SH1	COMP. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AOR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5066

REVISION # :00
DATE :09/04/84

SYSTEM :MAIN STEAM

TAG :3MS-V18SAB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

0588 CATEG.: A
APPENDIX E

A/E: E[illegible] / SERVICES INC.
UTILI[illegible] CAROLINA POWER & LIGHT

FACILITY: SHEARON [illegible]IS NPP - 1
COMPONENT EVALUATI[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]EV#- 0
[illegible]ES#-5067

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V17SAB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5067

REVISION # :00
DATE :09/18/84

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5068

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V17SAB-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (3 OF 4)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-66H	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.34E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1515. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5068

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

EQ. PCK # : 9.1SH1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON [illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]VN- 0
UTILITY ROLINA POWER & LIGHT COMPONENT EVALUATI[illegible]EET CAPACITY:9(0 MW(E) [illegible]ES#-5069

EQ[illegible]ENT DES[illegible]IPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V17SAB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (4 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW									SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1520. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5069

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V17SAB-1

*QUALIF: QUALIFIED-AWAITING
*STATUS CONFIRMATORY DATA

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS NPP - 1 NSSS: WESTINGHOUSE - PWR REV#- 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION SHEET CAPACITY:900 MW(E) CES#-5070

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V18SAB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5070

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V18SAB-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:900 MW(E) [illegible]-5071

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V18SAB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (3 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

USBR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5071

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V18SAB-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5072

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3MS-V18SAB-1 EQUIPMENT: VALVES TYPE	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (4 OF 4)	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4	2.04E8	RAB21R7 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1515. Y- 1528. Z- 238.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

G588 CATEG.: A
APPENDIX F

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5072

REVISION # :00
DATE :09/18/84

SYSTEM :MAIN STEAM

TAG :3MS-V18SAB-1

EQ. PCK # : 9.1SH1

A/E: ER[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5074

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V83SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100700 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1471. Y- 1620. Z- 240.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5074

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V83SA-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES#-5075

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V63S8-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1489. Y- 1606. Z- 239.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5075

REVISION # :00
DATE :09/19/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V63S8-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]FT CAPACITY:900 MW(E) [illegible]#-5076

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D14SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 10),000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL # : EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1420. Y- 1605. Z- 245.0									

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5076

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D14SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-5077

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D12SB-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MODEL AND: EA-180-22302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM. 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1493. Y- 1603. Z- 246.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5077

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D12SB-1

EQ. PCK # : 9.2SH1

10588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible] - 0
[illegible]-5078

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D16S8-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE		176F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY		100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1582. Y- 1706. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5078

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D16S8-1

EQ. PCK # : 9.1SH1

A/E: EBAS[illegible]RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]5079

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D18SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)									REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS:
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MAJOR SUPPLIER : RUSKIN									
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25									
P.O #:435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1674. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5079

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D18SB-1

EQ. PCK # : 9.2SH1

U58R CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBAS[illegible]VICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]5080

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D17SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: RE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1429. Y- 1678. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5C80

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D17SA-1

A/E: EBASC[illegible]VICES INC. FACILITY: SHEARON HARRI[illegible] - 1 NSSS: WESTINGHOUSE - PWR [illegible]0
UTILITY: C[illegible]NA POWER & LIGHT COMPONENT EVALUATION SH[illegible] CAPACITY:900 MW(E) CES[illegible]081

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D53S8-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (1 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.:
MAJOR : RUSKIN SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	P.D79-D81 OF REF(1) SUBCOMPONENTS:
MODEL AND: EA-180-21302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: REMOTE INDICAT & SERVICE ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1585. Y- 1685. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

OS88 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5081

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D53S8-1

EQ. PCK # : 9.2SH1

A/E: EBA[illegible] .RVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

[illegible]-5082

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-053SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: P.D79-D81 OF REF(1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUSKIN									SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180-22302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8	RAB21R6 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
P.O #: 435205									
PLANT LOC.: AB21									
COORDINATES X- 1585. Y- 1685. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: RY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1) NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5082

REVISION # :00
DATE :09/18/84

SYSTEM : REAC.AUX.BLDG HVAC
TAG : AV-053SB-1

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-5083

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D79SB-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1) MAINTAIN.: SEE NOTE (1)
MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.34E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1585. Y- 1630. Z- 247.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5083

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D79SB-1

A/E: EB[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V- 0
[illegible]#-5085

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2IA-V34SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB21A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB21 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: D2400X-2SR SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB21 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE 1:TO BE REPLACED WITH EA180 LIMIT SWITCH
FUNCT.DES: & SERVICE ISO VALVE W/ LIMIT SWITCHES UNIT 2 DWG #13	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB21 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	LATER	RAB21R6 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-32A									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
PLANT LOC.: AB21									
COORDINATES X- 1470. Y- 1636. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB21 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5085

REVISION # :00
DATE :

SYSTEM :INSTRUMENT AIR

TAG :2IA-V34SA-1

EQ. PCK # :

*QUALIF: LATER
*STATUS

A/E: ER[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5086

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V45SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1482. Y- 1629. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:RY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5086

REVISION # :00
DATE :09/18/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V45SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5087

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2FP-V44SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER: HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1451. Y- 1648. Z- 241.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5C87

REVISION # :00
DATE :09/18/84

SYSTEM :FIRE PROTECT.

TAG :2FP-V44SA-1

EQ. PCK # : 9.1SH1

0586 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5088

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2BD-V19SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)									REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
P.O #: 435176									
PLANT LOC.: AB21									
COORDINATES X- 1574. Y- 1689. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC	PARAMETER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1
********** *QUALIF: QUALIFIED-AWAITING *STATUS CONFIRMATORY DATA * * * **********	OPERABILITY O TEMPERATURE T PRESSURE P REL. HUMDTY H CHEM. SPRAY C RADIATION R AGING A SUBMERGENCE S	9.1SH1 9.1SH1 9.1SH1 9.1SH1 9.1SH1 9.1SH1 9.1SH1 9.1SH1	REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.						CES#-5088
EQ. PCK # : 9.1SH1	0588 CATEG.: A APPENDIX E								REVISION # :00 DATE :09/18/84 SYSTEM :BLOWDOWN TAG :2BD-V19SA-1

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- D
[illegible]-5089

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 280-V11SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.74E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
ACCUR. DEM.: NOT APPLICABLE	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB21 COORDINATES X- 1426. Y- 168E. Z- 255.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : . 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5089

REVISION # :00
DATE :09/18/84

SYSTEM :BLOWDOWN

TAG :280-V11SA-1

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
CES#-5090

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 2BD-V15SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100)300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB21A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL # FUNCT.DES: POSITION & SERVICE INDICATION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB21 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICAPLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-66H	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4	2.04E8	RAB21R6 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435176 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CI
COORDINATES X- 1494. Y- 1623. Z- 253.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

058R CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5C90

REVISION # :00
DATE :09/18/84

SYSTEM :BLOWDOWN

TAG :2BD-V15SA-1

A/E: EBAS[illegible] /VICES INC. FACILITY: SHEARON HAR[illegible] PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible] CAPACITY:96[illegible] MW(E) [illegible]-5091

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V481SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE		104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-113C2 FUNCT.DES: & SERVICE POSITION INDICATION	RELATIVE HUMIDITY		100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11P3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1393. Y- 1609. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5091

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-V481SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]EET CAPACITY:900 MW(E) [illegible]SW-5092

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-V480SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE		104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY		100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1393. Y- 1615. Z- 216.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CESW-5092

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-V480SB-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUCLEAR POWER PLANT - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

K 0
CES 5093

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-B65SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SPSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND SERIAL #: EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB11									
COORDINATES X- 1558. Y- 1614. Z- 228.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5093

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-B65SB-1

EQ. PCK # : 9.1SH1

```
*****************************
*QUALIF: QUALIFIED-AWAITING *
*STATUS  CONFIRMATORY DATA  *
*                           *
*                           *
*****************************
```

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-5094

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B90SB-1 EQUIPMENT: TYPE .	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #: 435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1435. Y- 1660. Z- 2300.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5094

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-B90SB-1

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]V#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-5095

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3SW-964SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100700 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.34E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1447. Y- 1608. Z- 218.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5095

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :3SW-964SA-1

EQ. PCK # : 9.1SH1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible], NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]W- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-5096

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B88SAB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER:NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CON OFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-113L2	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5096

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-B88SAB-1

EQ. PCK # : 9.1SH1

A/E: EE[illegible] SERVICES INC. FACILITY: SHEARON H[illegible], NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILIT[illegible]AROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-5097

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-888SAB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (3 OF 4)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEP.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.74E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11									
COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5097

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-888SAB-1

A/E: EBA[illegible] SERVICES INC.
UTILITY [illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]S#-5098

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B88SAB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (4 OF 4) MANUFACTURER: NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11P	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	P	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB11 COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT. APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	F	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-509R

REVISION # :00
DATE :09/18/84

SYSTEM :SERVICE WATER

TAG :2SW-B88SAB-1

A/E: EBASCO ICES INC.
UTILITY: C[illegible]NA POWER & LIGHT

FACILITY: SHEARON HARRI[illegible] - 1
COMPONENT EVALUATION SH[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

R.[illegible] 0
CE[illegible]099

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2SW-B88SAB-1 EQUIPMENT: VALVES TYPE .	OPERABIL-ITY NORM/TEST DBA	NORM:40YRS 500 CYC DBA:1YR 1 CYC	NORM:40YRS 20,100 CYC DBA:1YR 21 CYC	OPER. REVIEW	NORM:REF 1 P.8,DBA: REF 1,P.26 SRSO 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: SOLENOID VALVE(2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	120F NORM FOR DBA FIG E1A- 3.2SH1	TAB11A FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRST 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: REF 1,FIG.1, P.C-5
MANUFACTURER:ASCO									MAINTAIN.:
MAJOR : HAMMEL DAHL/ SUPPLIER CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA	0PSIG NORM FOR DBA FIG F2A- 3.2SH1	PAB11 FSAR SEC 3.11B	REF 1,P.26 FIG 4.2 SRSP 3.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REF 1,APP.C SUBCOMPONENTS:
MODEL AND: NP8320A175E SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF 1,SEC 8.1.3 & 8.2.3 SRSH 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: CONTROL AIR TO & SERVICE PNEUM.OPERATOR									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 3.2SH1	N/A	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.05E8 2.05E8	RAB11R3 FSAR SEC 3.11B	REF 1,SEC 4.1.4 & 4.2.2 SRSR 3.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YEARS	10 CFR50 PARA.50.51	REF 1,P.A3 FIG 1&4, P.C-58C-8 SRSA 3.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1430. Y- 1693. Z- 233.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 3.2SH1	N/A	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 3.2SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	3.2SH1
TEMPERATURE T	3.2SH1
PRESSURE P	3.2SH1
REL. HUMDTY H	3.2SH1
CHEM. SPRAY C	3.2SH1
RADIATION R	3.2SH1
AGING A	3.2SH1
SUBMERGENCE S	3.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 3.2SH1

REFERENCES: 1.ASCO TEST REPORT #AQR-67368/ R 0 DATED MARCH 1982

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 3.2SH1

CES#-5099

REVISION # :00
DATE :09/04/84

SYSTEM :SERVICE WATER

TAG :2SW-B88SAB-1

A/E: EB[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5100

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D29SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE		104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR : SUPPLIER RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302 FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	RELATIVE HUMIDITY		100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB11	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1410. Y- 1691. Z- 221.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5100

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D29SA-1

A/E: EBA[illegible] .RVICES INC. FACILITY: SHEARON HAR[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5101

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D32SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-223G2	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB11									
COORDINATES X- 1580. Y- 1692. Z- 216.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5101

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D32SB-1

EQ. PCK # : 9.2SH1

*QUALIF: QUALIFIED-AWAITING STATUS CONFIRMATORY DATA

A/E: E[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible]S NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]W- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-5102

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-031SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE		104F NORM 104F DBA		REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER:NAMCO	RELATIVE HUMIDITY		100% NORM 100% DBA		REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : RUSKIN SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
MODEL AND: EA-180-22302 SERIAL #	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:BE-25									
P.O #:435205									
PLANT LOC.: AB11									
COORDINATES X- 1587. Y- 1710. Z- 216.0									

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARA-METER	SUPPL. REVIEW
OPERABILITY	O 9.1SH1
TEMPERATURE	T 9.1SH1
PRESSURE	P 9.1SH1
REL. HUMDTY	H 9.1SH1
CHEM. SPRAY	C 9.1SH1
RADIATION	R 9.1SH1
AGING	A 9.1SH1
SUBMERGENCE	S 9.1SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5102

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-031SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible]S NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]W- 0
UTILIT[illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]EET CAPACITY:900 MW(E) [illegible]S#-5103

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-D30SB-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB11A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB11 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB11 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB11 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	3.4E4 7.2E4 100% 3.4E4	2.04E8	RAB11R3 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB11 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: RE-25									
P.O #: 435205									
PLANT LOC.: AB11									
COORDINATES X- 1414. Y- 1691. Z- 221.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.2SH1
TEMPERATURE	T	9.2SH1
PRESSURE	P	9.2SH1
REL. HUMDTY	H	9.2SH1
CHEM. SPRAY	C	9.2SH1
RADIATION	R	9.2SH1
AGING	A	9.2SH1
SUBMERGENCE	S	9.2SH1

U588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5103

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D30SB-1

EQ. PCK # : 9.2SH1

A/E: EB[illegible] SERVICES INC. | FACILITY: SHEARON H[illegible] NPP - 1 | NSSS: WESTINGHOUSE - PWR | [illegible]#- 0
UTILIT[illegible]AROLINA POWER & LIGHT | COMPONENT EVALUATIO[illegible]EET | CAPACITY:900 MW(E) | [illegible]S#-5104

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V86SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND SERIAL #: EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1667. Z- 305.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5104

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V86SA-1

EQ. PCK # : 9.1SH1

0588 CATEG.: A
APPENDIX E

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EBA [illegible] ERVICES INC.
UTILITY: [illegible] LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-5105

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-W17SA-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE								
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT HAMMEL DAHL /CONOFL.	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MAJOR : SUPPLIER								
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15 (1A-SA)								
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB51S FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS:								
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
PLANT LOC.: AB51								
COORDINATES X- 1607. Y- 1687. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5105

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W17SA-1

EQ. PCK # :

A/E: EBA[illegible] SERVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] - 0
[illegible]-5106

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-W24SB-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: ITT HAMMEL DAHL /CONOFL	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15 (1B-SB)									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1607. Y- 1652. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5106

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-W24SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5107

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V130SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-17 (1-4A-SA)	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1687. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

OSRP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5107

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V130SA-1

A/E: EBAS[illegible] RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]UPP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
[illegible]-5108

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V85SB-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.74E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H P.O #:435176 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1648. Y- 1665. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5108

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V85SB-1

EQ. PCK # : 9.1SH1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]V- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:9[illegible] MW(E) [illegible]#-5109

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	DUTS ITEMS (7)	
TAG NO : 3CH-V129SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER: HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND SERIAL #: EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: POSITION INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.74E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #: 435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1687. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5109

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V129SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

10588 CATEG.: A
APPENDIX E

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NUP - 1
COMPONENT EVALUATION SH

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

CES#5110

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V115SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,500 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND SERIAL #: EA-180-11302	R GAMMA A BETA D R SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.34E8	RAB51S FSAR SEC 3.11B	REF(1) PG:10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1683. Z- 305.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL.	REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

OSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5110

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V115SB-1

EQ. PCK # : 9.1SH1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:906 MW(E) [illegible]S#-5111

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V114SA-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE POSITION INDICATION									NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-66H									
P.O #:435176	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1648. Y- 1681. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

DSR8 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5111

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V114SA-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]# - 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]#-5112

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-V113SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER :	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: EA-180	R GAMMA A BETA D P SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE ESSENTIAL SER CX FOR AH-15(1A-SA)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB51								
COORDINATES X- 1607. Y- 1687. Z- 305.0								
INSTALLED (Y/N): LTR								

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5112

REVISION # :00
DATE :

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V113SA-1

A/E: EBA[illegible] SERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-5113

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V111SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.1C-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.1C-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW									SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION									NOTE:
	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	(1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.04E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:M-66H									
P.O #:435176 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1647. Y- 1654. Z- 307.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR INSTAL. REF:PY-FLD QUALIF EXEMPTN: NOT APPLIC	PARA-METER	SUPPL. REVIEW	FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1						QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1
**********	OPERABILITY	O 9.1SH1							
QUALIF: QUALIFIED-AWAITING	TEMPERATURE	T 9.1SH1							
STATUS CONFIRMATORY DATA	PRESSURE	P 9.1SH1							CES#-5113
* *	REL. HUMDTY	H 9.1SH1							
* *	CHEM. SPRAY	C 9.1SH1	REFERENCES:	(1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.					
**********	RADIATION	R 9.1SH1							
	AGING	A 9.1SH1							REVISION # :00
	SUBMERGENCE	S 9.1SH1							DATE :09/18/84
EQ. PCK # : 9.1SH1									SYSTEM :ESS.SER.CHILLD WATER
	0588 CATEG.: A APPENDIX E								TAG :3CX-V111SA-1

A/E: EBASC[illegible] VICES INC. FACILITY: SHEARON HARRI[illegible] - 1 NSSS: WESTINGHOUSE - PWR
UTILITY: C[illegible]INA POWER & LIGHT COMPONENT EVALUATION SH[illegible] CAPACITY:9[illegible]0 MW(E) CES[illegible]114

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D2SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL-SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1606. Y- 1667. Z- 314.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5114

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D2SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATIO[illegible]ET CAPACITY:900 MW(E) [illegible]#-5115

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D20SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1655. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5115

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D20SB-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:900 MW(E) [illegible]-5116

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D23SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	P	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1645. Y- 1655. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5116

REVISION # :00
DATE :

EQ. PCK # : 9.1/9.2

D588 CATEG.: A
APPENDIX E

SYSTEM : CONTROL ROOM HVAC
TAG : CZ-D23SA-1

A/E: EBA[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5117

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-024SB-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1645. Y- 1653. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5117

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-024SB-1

A/E: EB[illegible] SERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5118

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-09SA-1	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)									
MANUFACTURER: NAMCO	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1638. Y- 1672. Z- 314.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

PARA-METER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5118

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-09SA-1

A/E: EBAS[illegible]RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]5119

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D19SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB51									
COORDINATES X- 1626. Y- 1657. Z- 305.0									
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

DSRF CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5119

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D19SA-1

A/E: EC[illegible] SERVICES INC. FACILITY: SHEARON H[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible]#- 0
UTILITY [illegible]ROLINA POWER & LIGHT COMPONENT EVALUATION [illegible]EET CAPACITY:900 MW(E) [illegible]S#-5120

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D10SB-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1641. Y- 1667. Z- 315.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

*QUALIF: LATER
*STATUS

EQ. PCK # : 9.1/9.2

C588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5120

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D10SB-1

A/E: EP[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]S#-5121

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : CZ-D1SA-1	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER:NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50,51	LATER SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1606. Y- 1674. Z- 314.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # : 9.1/9.2

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1/9.2
TEMPERATURE	T	9.1/9.2
PRESSURE	P	9.1/9.2
REL. HUMDTY	H	9.1/9.2
CHEM. SPRAY	C	9.1/9.2
RADIATION	R	9.1/9.2
AGING	A	9.1/9.2
SUBMERGENCE	S	9.1/9.2

DOSE CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5121

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :CZ-D1SA-1

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES# 5122

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1B-SB) EQUIPMENT: TYPE	OPERABILITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: DOOR SWITCH(2 OF 4)	TEMPERATURE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO MAJOR SUPPLIER :	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:	R GAMMA A BETA D P SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB51S FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51 COORDINATES X- 1634. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5122

REVISION # :00
DATE :

SYSTEM : CONTROL ROOM HVAC
TAG : R-2 (1B-SB)

A/E: EBA[illegible] ERVICES INC. FACILITY: SHEARON HA[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] - 0
UTILITY: [illegible]OLINA POWER & LIGHT COMPONENT EVALUATION [illegible]ET CAPACITY:900 MW(E) [illegible]-5123

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1B-SB)	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	
COMPONENT: DOOR SWITCH(3 O F 4)	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90% NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND: SERIAL # EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS:									
P.O #:									
PLANT LOC.: AB51									
COORDINATES X- 1634. Y- 1693. Z- 305.0									
INSTALLED (Y/N): LTR									

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5123

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1B-SB)

A/E: EBAS[illegible]ERVICES INC. FACILITY: SHEARON HAR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]5124

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : R-2 (1B-SB) EQUIPMENT: TYPE	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: DOOR SWITCH(4 O F 4)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER:NAMCO MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: P.O #: PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1634. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

DSRR CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5124

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1B-SB)

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]V#- 0
[illegible]ES#-5125

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : R-2 (1A-SA) EQUIPMENT: TYPE	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
COMPONENT: DOOR SWITCH(2 O F 4)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: NAMCO MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MODEL AND: SERIAL # EA-180-11302	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
SPECIFICATIONS: P.O #: PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
COORDINATES X- 1620. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: SS

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

EQ. PCK # :

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

G588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5125

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

A/E: EBAS[illegible]RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARR[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]-5126

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1A-SA) EQUIPMENT: TYPE	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: DOOR SWITCH(3 O F 4)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSF	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MODEL AND: SERIAL # EA-180-11302 FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #: . PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1620. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

*QUALIF: LATER
*STATUS

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5126

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

EQ. PCK # :

A/E: EB[illegible] SERVICES INC.
UTILITY [illegible]ROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible] NPP - 1
COMPONENT EVALUATION [illegible]EET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]#- 0
[illegible]S#-5127

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : R-2 (1A-SA)	OPERABIL-ITY NORM/TEST DBA	LATER	LATER	OPER. REVIEW	LATER SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: DOOR SWITCH(4 OF 4)	TEMPERAT-URE	104F NORM 104F DBA	LATER	TAB51A FSAR SEC 3.11B	LATER SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: NAMCO									MAINTAIN.:
MAJOR : SUPPLIER	PRESSURE	ATMOS NORM ATMOS DBA	LATER	PAB51 FSAR SEC 3.11B	LATER SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-113C2	RELATIVE HUMIDITY	20-90%NORM 100% DBA	LATER	HAB51 FSAR SEC 3.11B	LATER SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	LATER	CAB51 FSAR SEC 3.11B	LATER SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	LATER	RAB5125 FSAR SEC 3.11B	LATER SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	LATER	10 CFR50 PARA.50.51	LATER SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB51									
COORDINATES X- 1620. Y- 1693. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	LATER	SAB51 FSAR SEC 3.11B	LATER SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: LATER *
*STATUS *
* *
* *
****

EQ. PCK # :

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5127

REVISION # :00
DATE :

SYSTEM :CONTROL ROOM HVAC
TAG :R-2 (1A-SA)

A/E: EBAS[illegible].RVICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
C[illegible]-5128

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-078SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE DAMPERS	TEMPERAT-URE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO MAJOR SUPPLIER : RUSKIN	RELATIVE HUMIDITY	10-1[illegible]NRM 100% [illegible]BA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MODEL AND SERIAL #: EA-180 FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	9.1E4 100% 9.1E4	2.04E8	RAB21R8 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25 P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21 COORDINATES X- 1602. Y- 1630. Z- 250.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION R	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

USRP CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5128

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-078SA-1

A/E: EBAS[illegible]VICES INC. FACILITY: SHEARON HARR[illegible]PP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]INA POWER & LIGHT COMPONENT EVALUATION S[illegible] CAPACITY:900 MW(E) C[illegible]5130

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER (1)	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3AF-P1SA-1	OPERABILITY NORM/TEST DBA			OPER. REVIEW	—— SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: TYPE									
COMPONENT: LIMIT SWITCH#2(2 OF 2)	TEMPERATURE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR : SUPPLIER									SUBCOMPONENTS:
MODEL AND: SERIAL # LATER	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE LATER									
ACCUR. SPEC: NOT APPLICABLE	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RAB21R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:									
P.O #:	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: CRHR
PLANT LOC.: AB21									
COORDINATES X- 1484. Y- 1521. Z- 248.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

*QUALIF:
*STATUS

EQ. PCK # :

10588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5130

REVISION # :00
DATE :

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-P1SA-1

A/E: E[illegible] SERVICES INC.
UTILIT[illegible]AROLINA POWER & LIGHT

FACILITY: SHEARON H[illegible]S NPP - 1
COMPONENT EVALUATIO[illegible]HEET

NSSS: WESTINGHOUSE - PWR
CAPACITY:960 MW(E)

[illegible]V#- 0
[illegible]ES#-5131

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3AF-P2SB-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: LIMIT SWITCH#2(2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT HAMMEL DAHL /CONOFLOW	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR : SUPPLIER	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND: SERIAL # LATER	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 100% 2.6E4		RAB21R7 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	M	NONE
FUNCT.DES: & SERVICE LATER	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. DEM.: NOT APPLICABLE								
SPECIFICATIONS:								
P.O #:								
PLANT LOC.: AB21								
COORDINATES X- 1499. Y- 1520. Z- 248.0								
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC								

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION: CRHR

PARA-METER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5131

REVISION # :00
DATE :

SYSTEM :AUXILIARY FEEDWTR
TAG :3AF-P2SB-1

EQ. PCK # :

*QUALIF:
*STATUS
*
*

A/E: EB[illegible] ERVICES INC.
UTILITY [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HA[illegible] NPP - 1
COMPONENT EVALUATION [illegible]ET

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible]- 0
[illegible]-5132

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CX-V244SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB31A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB31 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
MAJOR SUPPLIER : HAMMEL DAHL/CONOFLOW	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB31 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
MODEL AND SERIAL #: EA-180-11302	R GAMMA A BETA D B SHIELD S T.I.D.	2.6E4 4.4E5 100% 2.6E4	2.04E8	RAB3111 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE POSITION INDICATION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB31 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: M-66H									
P.O #: 435176									
PLANT LOC.: AB31									
COORDINATES X- 1546. Y- 1626. Z- 263.0									
INSTALLED (Y/N): LTR									
INSTAL. REF: BY-FLD									
QUALIF EXEMPTN: NOT APPLIC									

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5132

REVISION # :30
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CX-V244SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1SH1

DS88 CATEG.: A
APPENDIX E

A/E: EBAS[illegible] .VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1.
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
CE[illegible]-5141

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-015SA-1 EQUIPMENT: DAMPERS TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2)	TEMPERAT-URE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MANUFACTURER:NAMCO MAJOR SUPPLIER : RUSKIN	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180-22302	RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.0458	RAB211C FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS:BE-25 P.O #:435205 PLANT LOC.: AB21	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1595. Y- 1695. Z- 244.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.1SH1
TEMPERATURE T	9.1SH1
PRESSURE P	9.1SH1
REL. HUMDTY H	9.1SH1
CHEM. SPRAY C	9.1SH1
RADIATION P	9.1SH1
AGING A	9.1SH1
SUBMERGENCE S	9.1SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5141

REVISION # :00
DATE :09/18/84

EQ. PCK # : 9.1SH1

C588 CATEG.: A
APPENDIX E

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-015SA-1

A/E: EBASCO SERVICES INC. FACILITY: SHEARON HARRIS APP - 1 NSSS: WESTINGHOUSE - PWR - 0
UTILITY: CAROLINA POWER & LIGHT COMPONENT EVALUATION REPORT CAPACITY:900 MW(E) CES-5142

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/P (6)	OUTS ITEMS (7)	
TAG NO : AV-D36SB-1	OPERABILITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100,000CYC 1YR DBA	OPER. REVIEW	REF(1) P.D36 SRSO 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERATURE	104F NORM 104F DBA	104F NORM 104F DBA	TAB01A FSAR SEC 3.11B	REF(1) P.D42-D47 SRST 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: P.D79-D81 OF REF(1) MAINTAIN.: P.D79-D81 OF REF(1) SUBCOMPONENTS: NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB01 FSAR SEC 3.11B	REF(1) P.D42-D47 SRSP 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
MANUFACTURER: NAMCO	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB01 FSAR SEC 3.11B	REF(1) P.D77 SRSH 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MAJOR SUPPLIER : RUSKIN	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB01 FSAR SEC 3.11B	N/A SRSC 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
MODEL AND SERIAL #: EA-180-22302	R GAMMA A BETA D B SHIELD S T.I.D.	2.9E4 7.2E4 100% 2.9E4	2.94ER	RAB01R1 FSAR SEC 3.11B	REF(1) P.D16 SRSR 9.2SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
FUNCT.DES: & SERVICE REMOTE INDICATION OF DAMPER POSITION	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) P.D79-D81 SRSA 9.2SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	191.0 FEET	N/A	SAB01 FSAR SEC 3.11B	N/A SRSS 9.2SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	
ACCUR. DEM.: NOT APPLICABLE									
SPECIFICATIONS: BE-25									
P.O #: 435205									
PLANT LOC.: AB01									
COORDINATES X- 1581. Y- 1638. Z- 190.0									
INSTALLED (Y/N): LTR INSTAL. REF: BY-FLD QUALIF EXEMPTN: NOT APPLIC									

PARAMETER	SUPPL. REVIEW
OPERABILITY O	9.2SH1
TEMPERATURE T	9.2SH1
PRESSURE P	9.2SH1
REL. HUMDTY H	9.2SH1
CHEM. SPRAY C	9.2SH1
RADIATION R	9.2SH1
AGING A	9.2SH1
SUBMERGENCE S	9.2SH1

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.2SH1

REFERENCES: (1)NAMCO QUALIFICATION REPORT EA-180 REV 1 DATED 9/5/78.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.2SH1

CES#-5142

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-D36SB-1

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.2SH1

D588 CATEG.: A
APPENDIX E

A/E: EBA[illegible] RVICES INC.
UTILITY: [illegible]OLINA POWER & LIGHT

FACILITY: SHEARON HAR[illegible]PP - 1
COMPONENT EVALUATION [illegible]T

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
CE[illegible]-5143

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : AV-052SA-1	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: DAMPERS TYPE	TEMPERAT-URE	95F NORM 95F DBA	104F NORM 104F DBA	TYD31R FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
COMPONENT: LIMIT SWITCH (2 OF 2)	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB21 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1SH1	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1)
MANUFACTURER: NAMCO									
MAJOR SUPPLIER : RUNSKIN									SUBCOMPONENTS:
MODEL AND: SERIAL # EA-180	RELATIVE HUMIDITY	10-100%NRM 100% DBA	100% NORM 100% DBA	HYD31 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE REMOTE INDICAT ION OF DAMPER POSITION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB21 FSAR SEC 3.11B	N/A SRSC 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG 4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	1.8E4 100% 1.8E4	2.04E8	RAB211U FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1SH1	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: BE-25									
P.O #: 435205	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40 YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
PLANT LOC.: AB21									
COORDINATES X- 1595. Y- 1685. Z- 245.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB21 FSAR SEC 3.11B	N/A SRSS 9.1SH1	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

PARAMETER		SUPPL. REVIEW
OPERABILITY	O	9.1SH1
TEMPERATURE	T	9.1SH1
PRESSURE	P	9.1SH1
REL. HUMDTY	H	9.1SH1
CHEM. SPRAY	C	9.1SH1
RADIATION	R	9.1SH1
AGING	A	9.1SH1
SUBMERGENCE	S	9.1SH1

0588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1SH1

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1SH1

CES#-5143

REVISION # :00
DATE :09/18/84

SYSTEM :REAC.AUX.BLDG HVAC
TAG :AV-052SA-1

EQ. PCK # : 9.1SH1

A/E: EBAS[illegible] .VICES INC.
UTILITY: [illegible]LINA POWER & LIGHT

FACILITY: SHEARON HARF[illegible]PP - 1
COMPONENT EVALUATION S[illegible]

NSSS: WESTINGHOUSE - PWR
CAPACITY:900 MW(E)

[illegible] 0
CE[illegible]-5144

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	ENVIRONMENT DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DOCUMENTATION DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 3CH-V128SA-1 EQUIPMENT: VALVES TYPE	OPERABIL-ITY NORM/TEST DBA	40YRS NORM 500 CYC 1YR DBA	40YRS NORM 100300 CYC 1YR DBA	OPER. REVIEW	REF(1) PG.4-4 & 4-5 SRSO 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	
COMPONENT: LIMIT SWITCH (2 OF 2) MANUFACTURER:NAMCO	TEMPERAT-URE	104F NORM 104F DBA	104F NORM 104F DBA	TAB51A FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRST 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT: SEE NOTE (1)
MAJOR : HAMMEL DAHL/CON SUPPLIER OFLOW	PRESSURE	ATMOS NORM ATMOS DBA	ATM NORM ATM DBA	PAB51 FSAR SEC 3.11B	REF(1) PG.10-14 & 4-4 SRSP 9.1/9.	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.: SEE NOTE (1) SUBCOMPONENTS:
MODEL AND: EA-180-11302 SERIAL #	RELATIVE HUMIDITY	20-90%NORM 100% DBA	100% NORM 100% DBA	HAB51 FSAR SEC 3.11B	REF(1) PG.4-4 & 4-5 SRSH 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: POSITION & SERVICE INDICATION	CHEMICAL SPRAY	NOT APPLICABLE	N/A	CAB51 FSAR SEC 3.11B	N/A SRSC 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	NOTE: (1)PG.4-3,4-3.1 & 4-3.2 OF REPORT QTR-105 REV 3 DATED 8/20/81.
ACCUR. SPEC: NOT APPLICABLE ACCUR. DEM.: NOT APPLICABLE SPECIFICATIONS:M-66H	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4	2.74E8	RAB5125 FSAR SEC 3.11B	REF(1) PG.10-7 SRSR 9.1/9.	COMB. TEST & SUPPL. REVIEW	H	NONE	
P.O #:435176 PLANT LOC.: AB51	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS	40YRS	10 CFR50 PARA.50.51	REF(1) PG.4-7 & 4-12 SRSA 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION: SS
COORDINATES X- 1648. Y- 1689. Z- 305.0	SUBMERGED LEVEL	NOT APPLICABLE	N/A	SAB51 FSAR SEC 3.11B	N/A SRSS 9.1/9.	COMB. TEST & SUPPL. REVIEW	/	NONE	

INSTALLED (Y/N): LTR
INSTAL. REF:BY-FLD
QUALIF EXEMPTN: NOT APPLIC

****
*QUALIF: QUALIFIED-AWAITING *
*STATUS CONFIRMATORY DATA *
*
*
****

EQ. PCK # : 9.1/9.2

PARA-METER	SUPPL. REVIEW
OPERABILITY O	9.1/9.2
TEMPERATURE T	9.1/9.2
PRESSURE P	9.1/9.2
REL. HUMDTY H	9.1/9.2
CHEM. SPRAY C	9.1/9.2
RADIATION R	9.1/9.2
AGING A	9.1/9.2
SUBMERGENCE S	9.1/9.2

D588 CATEG.: A
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE: 9.1/9.2

REFERENCES: (1)NAMCO CONTROLS DIVISION QUALIFICATION REPORT QTR-105 REVISION 3 DATED 8/20/81.

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE: 9.1/9.2

CES#-5144

REVISION # :00
DATE :09/18/84

SYSTEM :ESS.SER.CHILLD WATER
TAG :3CH-V128SA-1

A/E: EBAS[illegible] RVICES INC. FACILITY: SHEARON HARI[illegible] NPP - 1 NSSS: WESTINGHOUSE - PWR [illegible] 0
UTILITY: [illegible]LINA POWER & LIGHT COMPONENT EVALUATION [illegible]T CAPACITY:9JC MW(E) [illegible]-5243

EQUIPMENT DESCRIPTION	PARAMETER	ENVIRONMENT ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)	
TAG NO : 2CS-V744SN-1	OPERABIL-ITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE	
EQUIPMENT: VALVES TYPE	TEMPERAT-URE	104F NORM 104F DBA		TAB21A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE	REPLACEMENT:
COMPONENT: CHECK 3/4									
MANUFACTURER: ROCKWELL INTERNATIONAL	PRESSURE	ATMOS NORM ATMOS DBA		PAB21 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE	MAINTAIN.:
MAJOR SUPPLIER: ROCKWELL INTERNATI									SUBCOMPONENTS:
MODEL AND SERIAL #: FIG.36174F316T3	RELATIVE HUMIDITY	20-90%NORM 100% DBA		HAB21 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE	NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT
FUNCT.DES: & SERVICE: RCP 1C-SN NO.1 SEAL LKOFF TO BUTT WELD ENDS	CHEMICAL SPRAY	NOT APPLICABLE		CAB21 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE	
ACCUR. SPEC: NOT APPLICABLE									
ACCUR. DEM.: NOT APPLICABLE	R GAMMA A BETA D B SHIELD S T.I.D.	3.0E4 7.2E4 100% 3.0E4		RAB21R6 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE	
SPECIFICATIONS: M-34R									
P.O #: 435C57	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE	SAFETY FUNCTION:
PLANT LOC.: AB21									
COORDINATES X- 1570. Y- 1685. Z- 236.0	SUBMERGED LEVEL	NOT APPLICABLE		SAB21 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE	
INSTALLED (Y/N): LTR									

INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

D588 CATEG.: D
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5243

REVISION # :
DATE :

SYSTEM : CHEM.& VOLUME CONTROL
TAG : 2CS-V744SN-1

EQ. PCK # :

*QUALIF:
*STATUS

A/E: EBASCO SERVICES INC.
UTILITY: CAROLINA POWER & LIGHT

FACILITY: SHEARON HARRIS NPP - 1
COMPONENT EVALUATION SHEET

NSSS: WESTINGHOUSE - PWR
CAPACITY: 900 MW(E)

CES#: 5265

EQUIPMENT DESCRIPTION	ENVIRONMENT PARAMETER	ACTUAL (1)	DEM. QUALIF. (2)	DOCUMENTATION ACTUAL (3)	DEM. QUALIF. (4)	QUALIF. METHOD (5)	H/M (6)	OUTS ITEMS (7)
TAG NO : 3CX-V110SB-1	OPERABILITY NORM/TEST DBA			OPER. REVIEW	SRSO	COMB. TEST & SUPPL. REVIEW	/	NONE
EQUIPMENT: VALVES TYPE	TEMPERATURE	104F NORM 104F DBA		TAB51A FSAR SEC 3.11B	SRST	COMB. TEST & SUPPL. REVIEW	M	NONE
COMPONENT: GLOBE 2 1/2	PRESSURE	ATMOS NORM ATMOS DBA		PAB51 FSAR SEC 3.11B	SRSP	COMB. TEST & SUPPL. REVIEW	M	NONE
MANUFACTURER: ITT HAMMEL DAHL FLOW	RELATIVE HUMIDITY	20-90% NORM 100% DBA		HAB51 FSAR SEC 3.11B	SRSH	COMB. TEST & SUPPL. REVIEW	/	NONE
MAJOR SUPPLIER: ITT HAMMEL DAHL CO	CHEMICAL SPRAY	NOT APPLICABLE		CAB51 FSAR SEC 3.11B	SRSC	COMB. TEST & SUPPL. REVIEW	/	NONE
MODEL AND SERIAL #: V50DXGC82CAZ9Z	R GAMMA A BETA D B SHIELD S T.I.D.	3.7E4 100% 3.7E4		RAB5125 FSAR SEC 3.11B	SRSR	COMB. TEST & SUPPL. REVIEW	H	NONE
FUNCT.DES: & SERVICE: ESSENTIAL SER CX FOR TEMP CONN TO A H-15(28-SB)	AGE-INST LIFE (PER 323-1974 DEF.)	40 YEARS		10 CFR50 PARA.50.51	SRSA	COMB. TEST & SUPPL. REVIEW	/	NONE
ACCUR. SPEC: NOT APPLICABLE	SUBMERGED LEVEL	NOT APPLICABLE		SAB51 FSAR SEC 3.11B	SRSS	COMB. TEST & SUPPL. REVIEW	/	NONE

ACCUR. DEM.: NOT APPLICABLE

SPECIFICATIONS: M-66H

P.O #: 435176

PLANT LOC.: AB51

COORDINATES X- 1644.
Y- 1654.
Z- 307.0

INSTALLED (Y/N): LTR
INSTAL. REF: BY-FLD
QUALIF EXEMPTN: NOT APPLIC

REPLACEMENT:

MAINTAIN.:

SUBCOMPONENTS:

NO UNIQUE TAGGED SUBCOMPONENTS ARE ENVELOPED BY THIS EQUIPMENT

SAFETY FUNCTION:

PARAMETER	SUPPL. REVIEW
OPERABILITY	O
TEMPERATURE	T
PRESSURE	P
REL. HUMDTY	H
CHEM. SPRAY	C
RADIATION	R
AGING	A
SUBMERGENCE	S

0588 CATEG.: D
APPENDIX E

FOR PUNCHLIST ITEMS SEE SH EQ PACKAGE:

REFERENCES:

QUALIFICATION SIGN-OFF FOUND IN DOCUMENTATION PACKAGE:

CES#-5265

REVISION # :
DATE :

SYSTEM : ESS.SER.CHILLD WATER
TAG : 3CX-V110SB-1

EQ. PCK # :

*QUALIF:
*STATUS