

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 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: Responds to NRC 850325 request for addl. info re responses to
 Generic Ltr 83-28. Reactor trip sys components reviewed &
 identified as safety-related on component level Q-list.

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	NRR/DE/MEB	1	1	NRR/DHFS/HFEB	1	1
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Carolina Power & Light Company

SERIAL: NLS-85-186

MAY 31 1985

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
GENERIC LETTER 83-28
REQUEST FOR ADDITIONAL INFORMATION RESPONSES

REFERENCE: March 25, 1985 letter from George W. Knighton (NRC)
to Mr. E. E. Utley (CP&L)

Dear Mr. Denton:

Carolina Power & Light Company (CP&L) encloses for your review our responses to the request for additional information supplied by the NRC Staff via the referenced letter.

Carolina Power & Light Company considers this information sufficient to resolve this issue. If you have any questions, please contact Mr. Gregg A. Sindors at (919) 836-8168.

Yours very truly,

S. R. Zimmerman
Manager

Nuclear Licensing Section

SRZ/GAS/mf (1531GAS)

Enclosure

cc: Mr. B. C. Buckley (NRC)
Mr. G. F. Maxwell (NRC-SHNPP)
Dr. J. Nelson Grace (NRC-RII)
Mr. Travis Payne (KUDZU)
Mr. Daniel F. Read (CHANGE/ELP)
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Mr. J. L. Kelley (ASLB)

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

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PDR ADDCK 05000400
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Question

Item 2.1 (part 1) - Incomplete

Supply a statement confirming that reactor trip system components were reviewed and that they are identified as safety-related on documents, procedures, and information handling systems.

Response

The reactor trip system components were reviewed and they are identified as safety-related on the component level Q-list. This Q-list is used as input for plant documents, procedures and information handling systems. A copy of the reactor protection system and rod control system portions of the Q-list is provided for your information (Attachment 1). The reactor trip and bypass breakers are included on the rod control system portion of the Q-list and are shown as Q-Class "A", or safety-related. Q-Class "E" components are non-safety related. For further information on preparation and control of component level classification, refer to the response to Item 2.2.1.



Attachment 1
EQUIPMENT DATA BASE SYSTEM
QUALITY LIST

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1 CPL&L CO
2 RUN DATE 05/14/85
3 RUN TIME 13.24.52

DELIVER TO 17C5

HARGETT

PLANT 03

UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID	SPECIFIC DESCRIPTION		
1	1080	<u>REACTOR PROTECTION SYSTEM*</u>		
	DFG	SOLID STATE PROTECTION CABINET		
A	A	TRAIN A		
A	B	TRAIN B		
	DFH	SAFEGUARDS TEST CABINET		
A	A	TRAIN A		
A	B	TRAIN B		
	DFL	AUXILLIARY RELAY RACKS		
E	1	AUX RELAY RACKS		
E	2	AUX RELAY RACKS		
E	3	AUX RELAY RACKS		
	DFM	TRIP STATUS LIGHT BOX		
E	1	STEAM GENERATORS		
E	2	STEAM GENERATORS & TURBINE		
E	3	REACTOR COOLANT SYSTEM		
E	4	NIS & CONTAINMENT PRESSURE		
	DFN	SWITCH CONTROL MODULE ELECTROSWITCH TYPE		
A	CS-SLIISAB	STEAMLINE ISOLATION II		
A	CS-SLISAB	STEAMLINE ISOLATION I		
A	CS-SLSLRA	STEAMLINE ISO. RESET TRAIN A		
A	CS-SLSLRB	STEAMLINE ISO. RESET TRAIN B		
A	CS-1008SA	STEAMLINE S.I. BLOCK RESET A		
A	CS-1008SB	STEAMLINE S.I. BLOCK RESET B		
A	CS-141SA	PRZR PRES. S.I. BLOCK RESET TR-A		
A	CS-141SB	PRZR PRES. S.I. BLOCK RESET TR-B		
A	CS-455.1SA	S.I. RESET TRAIN A MCB		
A	CS-455.2SA	S.I. RESET TRAIN A ACP		
A	CS-455.3SB	S.I. RESET TRAIN B MCB		
A	CS-455.4SB	S.I. RESET TRAIN B ACP		
A	CS-810SA	F.W. ISO. BYPASS VALVES RESET A		
A	CS-810SB	F.W. ISO. BYPASS VALVES RESET B		
A	CS-88SA	N33A SOURCE RANGE BLOCK RESET		
A	CS-88SB	N33B SOURCE RANGE BLOCK RESET		
A	CS-89.1SA	N38A INTERMEDIATE RANGE BLOCK		
A	CS-89.1SB	N38B INTERMEDIATE RANGE BLOCK		
A	CS-89.2SA	N47A POWER RANGE BLOCK		
A	CS-89.2SB	N47B POWER RANGE BLOCK		
A	CS-92.1SAB	SWITCH #1 REACTOR TRIP/CLOSE		
A	CS-92.2SAB	SWITCH #1 S.I. ACTUATION		
A	CS-94.1SAB	SWITCH #2 REACTOR TRIP		
A	CS-94.2SAB	SWITCH #2 S.I. ACTUATION		
	DLX	BREAKER, 120VAC INSTRUMENTATION CIRCUIT		
A	1A-S1-3	SAFEGUARDS TEST CAB. A		



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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID	SPECIFIC DESCRIPTION		
1	1080	REACTOR PROTECTION SYSTEM*		
	DLX	BREAKER, 120VAC INSTRUMENTATION CIRCUIT		
A	1A-S1-7	RPS CHAIN I TRAIN A		
A	1A-S1-8	RPS CHAIN I TRAIN B		
A	1A-S3-7	RPS CHAIN III TRAIN A		
A	1A-S3-8	RPS CHAIN III TRAIN B		
A	1B-S2-7	RPS CHAIN II TRAIN A		
A	1B-S2-8	RPS CHAIN II TRAIN B		
A	1B-S4-3	SAFEGUARDS TEST CAB. B		
A	1B-S4-7	RPS CHAIN IV TRAIN A		
A	1B-S4-8	RPS CHAIN IV TRAIN B		
	DMA	SWITCH, CONTROL MODULE ELECTROSWITCH TYPE		
A	CS-458.1SA	RWST S.I. RESET TRAIN A		
A	CS-458.2SB	RWST S.I. RESET TRAIN B		
	FJZ	BREAKER, 120V POWER PANEL		
E	1D212-16	AUX RELAY RACK #2		
E	1D212-18	AUX RELAY RACK #1		
E	1E212-21	TSLB-4 & BPLB		
E	1E212-23	TSLB-3		
E	1E212-25	TSLB-1&2		
	FKA	BREAKER, 120V UNINTERRUPT PANEL		
E	1B-2	AUX RELAY RACK #1		
	IZP	120 VAC FUSED SWITCH		
E	UPP-1-17	FUSED SWITCH		



Attachment 1 (cont'd)
EQUIPMENT DATA BASE SYSTEM
QUALITY LIST
DELIVER TO CPB 7C5 G. SINDERS
PLANT 03

1 CPL&L CO
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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID	SPECIFIC DESCRIPTION		
1	1065	<u>ROD CONTROL SYSTEM</u>		
	CQY	BREAKER, 480V AUX. BUS		
E	1D2-6D	MG SET MOTOR 1A		
E	1E2-2A	MG SET MOTOR 1B		
	DFV	BREAKER, DC DISTRIBUTION PANEL		
A	DP-1A-SA-18	GENERATOR OUTPUT 1A		
E	DP-1A-1-18	SERVES ROD DRIVE PWR SUPPLY CUB 1		
E	DP-1A-2-18	SERVES ROD DRIVE PWR SUPPL CUB 2		
A	DP-1B-SB-18	GENERATOR OUTPUT 1B		
	LES	INDICATOR, SPEED MCB-1C		
E	SI-408	INDICATOR, SPEED MCB-1C		
	LEU	SWITCH, MOTOR DISCONNECT		
E	1D2-6D	SWITCH, MOTOR DISCONNECT		
E	1E2-2A	SWITCH, MOTOR DISCONNECT		
	LEV	REGULATOR, VOLTAGE		
E	1A	ROD DRIVE POWER SUPPLY CUB 1		
E	1B	ROD DRIVE POWER SUPPLY CUB 2		
	LEW	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1AA	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1AB	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1AC	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1BA	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1BB	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
E	1BC	SHUNTS, AM & REV. CURR RELAY, 1200A, 5MV		
	LEX	SWITCH, OVER-TEMP ALARM		
E	OTS-1	ROD DRIVE POWER SUPPLY CUB 1		
E	OTS-2	ROD DRIVE POWER SUPPLY CUB 2		
	LEY	SWITCH, REV CURR ALARM		
E	1A	ROD DRIVE POWER SUPPLY CUB 1		
E	1B	ROD DRIVE POWER SUPPLY CUB 2		
	LEZ	SWITCH, OVER-VOLT ALARM, ROD DRIVE		
E	1A	ROD DRIVE POWER SUPPLY CUB 1		
E	1B	ROD DRIVE POWER SUPPLY CUB 2		
	LFA	SWITCH, MTR BKR TRIP ALARM		
E	1A	ROD DRIVE POWER SUPPLY CUB 1		
E	1B	ROD DRIVE POWER SUPPLY CUB 2		
	LFC	SWITCH, ROD LIFT DISCONNECT		
E	CBA-1	CONTROL BANK A MECH 1		
E	CBA-2	CONTROL BANK A MECH 2		
E	CBA-3	CONTROL BANK A MECH 3		
E	CBA-4	CONTROL BANK A MECH 4		
E	CBA-5	CONTROL BANK A MECH 5		
E	CBA-6	CONTROL BANK A MECH 6		



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EQUIPMENT DATA BASE SYSTEM
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5	UNIT SYSTEM	SYSTEM NAME	EQUIPMENT DESCRIPTION	TAG NUMBER
6	Q-CLS	EQUIPMENT CODE SPECIFIC ID	EQUIPMENT DESCRIPTION SPECIFIC DESCRIPTION	
9	1	1065	ROD CONTROL SYSTEM	
10		LFC	SWITCH, ROD LIFT DISCONNECT	
11	E	CBA-7	CONTROL BANK A	MECH 7
12	E	CBA-8	CONTROL BANK A	MECH 8
13	E	CBB-1	CONTROL BANK B	MECH 1
14	E	CBB-2	CONTROL BANK B	MECH 2
15	E	CBB-3	CONTROL BANK B	MECH 3
16	E	CBB-4	CONTROL BANK B	MECH 4
17	E	CBB-5	CONTROL BANK B	MECH 5
18	E	CBB-6	CONTROL BANK B	MECH 6
19	E	CBB-7	CONTROL BANK B	MECH 7
20	E	CBB-8	CONTROL BANK B	MECH 8
21	E	CBC-1	CONTROL BANK C	MECH 1
22	E	CBC-2	CONTROL BANK C	MECH 2
23	E	CBC-3	CONTROL BANK C	MECH 3
24	E	CBC-4	CONTROL BANK C	MECH 4
25	E	CBC-5	CONTROL BANK C	MECH 5
26	E	CBC-6	CONTROL BANK C	MECH 6
27	E	CBC-7	CONTROL BANK C	MECH 7
28	E	CBC-8	CONTROL BANK C	MECH 8
29	E	CBD-1	CONTROL BANK D	MECH 1
30	E	CBD-2	CONTROL BANK D	MECH 2
31	E	CBD-5	CONTROL BANK D	MECH 5
32	E	CBD-6	CONTROL BANK D	MECH 6
33	E	SBA-1	SHUTDOWN BANK A	MECH 1
34	E	SBA-2	SHUTDOWN BANK A	MECH 2
35	E	SBA-3	SHUTDOWN BANK A	MECH 3
36	E	SBA-4	SHUTDOWN BANK A	MECH 4
37	E	SBA-6	SHUTDOWN BANK A	MECH 6
38	E	SBA-7	SHUTDOWN BANK A	MECH 7
39	E	SBA-8	SHUTDOWN BANK A	MECH 8
40	E	SBA-9	SHUTDOWN BANK A	MECH 9
41	E	SBB-1	SHUTDOWN BANK B	MECH 1
42	E	SBB-2	SHUTDOWN BANK B	MECH 2
43	E	SBB-3	SHUTDOWN BANK B	MECH 3
44	E	SBB-4	SHUTDOWN BANK B	MECH 4
45	E	SBB-6	SHUTDOWN BANK B	MECH 6
46	E	SBB-7	SHUTDOWN BANK B	MECH 7
47	E	SBB-8	SHUTDOWN BANK B	MECH 8
48	E	SBB-9	SHUTDOWN BANK B	MECH 9
49	E	SBC-1	SHUTDOWN BANK C	MECH 1
50	E	SBC-2	SHUTDOWN BANK C	MECH 2
51	E	SBC-3	SHUTDOWN BANK C	MECH 3
52				
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1 CPL&L CO
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EQUIPMENT DATA BASE SYSTEM
QUALITY LIST
DELIVER TO CPB 7C5 G. SINDERS
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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	EQUIPMENT CODE SPECIFIC ID	SPECIFIC DESCRIPTION	
1	1065	ROD CONTROL SYSTEM	
	LFC	SWITCH, ROD LIFT DISCONNECT	
E	SBC-4	SHUTDOWN BANK C	MECH 4
E	SBD-1	SHUTDOWN BANK D	MECH 1
E	SBD-2	SHUTDOWN BANK D	MECH 2
E	SBD-3	SHUTDOWN BANK D	MECH 3
E	SBD-4	SHUTDOWN BANK D	MECH 4
	LFD	FUSE, CHASE SHAWMUT AMP-TRAP, FUSE&VOLT	
E	1	FUSE, CHASE SHAWMUT AMP-TRAP, FUSE&VOLT	
E	2	FUSE, CHASE SHAWMUT AMP-TRAP, FUSE&VOLT	
	LFH	PUSHBUTTON, TRIP TEST	
E	1D2-6D	PUSHBUTTON, TRIP TEST	
E	1E2-2A	PUSHBUTTON, TRIP TEST	
	LFI	PUSHBUTTON, CLOSE TEST	
E	1D2-6D	PUSHBUTTON, CLOSE TEST	
E	1E2-2A	PUSHBUTTON, CLOSE TEST	
	LFL	INDICATOR, TEMPERATURE, MCB	
E	TI-408A	INDICATOR, TEMPERATURE, MCB	
	LFM	SWITCH, TEMPERATURE, MCB	
E	TS-409	SWITCH, TEMPERATURE, MCB	
	LFN	RECORDER, TEMPERATURE, MCB	
E	TR-408	RECORDER, TEMPERATURE, MCB	
	LFO	RECORDER, POSITION	
E	ZR-409	RECORDER, POSITION	
	LFP	BREAKER W/STARTER, 480V MCC	
E	1E11-6F	BREAKER WITH STARTER, 480V MCC	
	LFR	PUSHBUTTON	
E	499-DOWN	PUSHBUTTON, DOWN LCL CNTRL ST.499	
E	499-UP	PUSHBUTTON, UP LCL CNTRL ST.499	
	LFS	SWITCH, CONTROL	
E	1-LS1	SWITCH, HOIST UPPER LIMIT	
E	1-LS2	SWITCH, HOIST LOWER LIMIT	
E	1-LS3	SWITCH, GRIPPER ASSEMBLY RELEASE SOLENOI	
	LFV	MOTOR, ROD DRIVE M-G SET	
E	1A	MOTOR, ROD DRIVE M-G SET	
E	1B	MOTOR, ROD DRIVE M-G SET	
	LFW	RELAY	
E	JS/408	ROD CONTROL	
	LFX	ROD SPEED CARD	
E	SK-408	ROD CONTROL	
	LFY	SIGNAL CONDITIONER	
E	JY-408C	ROD CONTROL	
E	JY-408D	ROD CONTROL	



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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID	SPECIFIC DESCRIPTION		
1	1065	ROD CONTROL SYSTEM		
	LFY	SIGNAL CONDITIONER		
E	JY-408E	ROD CONTROL		
E	JY-408J	ROD CONTROL		
E	JY-408K	ROD CONTROL		
E	JY-408M	ROD CONTROL		
E	JY/408KP1	ROD CONTROL		
E	PY-446	ROD CONTROL		
E	QY-479	ROD CONTROL		
E	SY-408D	ROD CONTROL		
E	TD/408B	ROD CONTROL		
E	TY-408B	ROD CONTROL		
E	TY-408C	ROD CONTROL		
E	TY-408F	ROD CONTROL		
E	TY-408G	ROD CONTROL		
E	TY-408H	ROD CONTROL		
E	TY/408HP1	ROD CONTROL		
	NIG	TRIP, SHUNT		
A	BYA	REACTOR SW GEAR BYPASS		
A	BYB	REACTOR SW GEAR BYPASS		
A	RTA	REACTOR SW GEAR		
A	RTB	REACTOR SW GEAR		
	NIH	TRIP, UNDERVOLTAGE		
A	BYA	REACTOR SW GEAR BYPASS		
A	BYB	REACTOR SW GEAR BYPASS		
A	RTA	REACTOR SW GEAR		
A	RTB	REACTOR SW GEAR		
	O25	BREAKER, REACTOR TRIP		
A	BYA	REACTOR SW GEAR BYPASS		
A	BYB	REACTOR SW GEAR BYPASS		
A	BYB	REACTOR SW GEAR BYPASS		
A	BYB	REACTOR SW GEAR BYPASS		
A	RTA	REACTOR SW GEAR		
A	RTA	REACTOR SW GEAR		
A	RTB	REACTOR SW GEAR		
A	RTB	REACTOR SW GEAR		
	O27	CABINETS, POWER		
E	SCD	SHUTDOWN BK C GRP 1 & BK D GRP 2		
E	1AC	SHUTDOWN BANK A GROUP 1		
E	1BD	SHUTDOWN BANK B GROUP 1		
E	2AC	SHUTDOWN BANK A GROUP 2		
E	2BD	SHUTDOWN BANK B GROUP 2		
	O29	MECHANISM, FULL LENGTH ROD CONTROL DRIVE		



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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID	SPECIFIC DESCRIPTION		
1	1065	ROD CONTROL SYSTEM		
	029	MECHANISM, FULL LENGTH ROD CONTROL DRIVE		
E	CBA-1 (F-2)	CONTROL BANK A		
E	CBA-2 (B-10)	CONTROL BANK A		
E	CBA-3 (K-14)	CONTROL BANK A		
E	CBA-4 (P-6)	CONTROL BANK A		
E	CBA-5 (K-2)	CONTROL BANK A		
E	CBA-6 (B-6)	CONTROL BANK A		
E	CBA-7 (F-14)	CONTROL BANK A		
E	CBA-8 (P-10)	CONTROL BANK A		
E	CBB-1 (F-4)	CONTROL BANK B		
E	CBB-2 (D-10)	CONTROL BANK B		
E	CBB-3 (K-12)	CONTROL BANK B		
E	CBB-4 (M-6)	CONTROL BANK B		
E	CBB-5 (K-4)	CONTROL BANK B		
E	CBB-6 (D-6)	CONTROL BANK B		
E	CBB-7 (F-12)	CONTROL BANK B		
E	CBB-8 (M-10)	CONTROL BANK B		
E	CBC-1 (D-4)	CONTROL BANK C		
E	CBC-2 (D-12)	CONTROL BANK C		
E	CBC-3 (M-12)	CONTROL BANK C		
E	CBC-4 (M-4)	CONTROL BANK C		
E	CBC-5 (H-6)	CONTROL BANK C		
E	CBC-6 (F-8)	CONTROL BANK C		
E	CBC-7 (H-10)	CONTROL BANK C		
E	CBC-8 (K-8)	CONTROL BANK C		
E	CBD-1 (H-2)	CONTROL BANK D		
E	CBD-2 (H-14)	CONTROL BANK D		
E	CBD-5 (B-8)	CONTROL BANK D		
E	CBD-6 (P-8)	CONTROL BANK D		
E	SBA-1 (G-3)	SHUTDOWN BANK A		
E	SBA-2 (C-9)	SHUTDOWN BANK A		
E	SBA-3 (J-13)	SHUTDOWN BANK A		
E	SBA-4 (N-7)	SHUTDOWN BANK A		
E	SBA-6 (J-3)	SHUTDOWN BANK A		
E	SBA-7 (C-7)	SHUTDOWN BANK A		
E	SBA-8 (G-13)	SHUTDOWN BANK A		
E	SBA-9 (N-9)	SHUTDOWN BANK A		
E	SBB-1 (E-5)	SHUTDOWN BANK B		
E	SBB-2 (E-11)	SHUTDOWN BANK B		
E	SBB-3 (L-11)	SHUTDOWN BANK B		
E	SBB-4 (L-5)	SHUTDOWN BANK B		
E	SBB-6 (G-7)	SHUTDOWN BANK B		

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EQUIPMENT DATA BASE SYSTEM
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UNIT SYSTEM	SYSTEM NAME	EQUIPMENT CODE	EQUIPMENT DESCRIPTION	TAG NUMBER
Q-CLS	SPECIFIC ID		SPECIFIC DESCRIPTION	
1	1065		ROD CONTROL SYSTEM	
	029		MECHANISM, FULL LENGTH ROD CONTROL DRIVE	
E		SBB-7 (G-9)	SHUTDOWN BANK B	
E		SBB-8 (J-9)	SHUTDOWN BANK B	
E		SBB-9 (J-7)	SHUTDOWN BANK B	
E		SBC-1 (E-3)	SHUTDOWN BANK C	
E		SBC-2 (C-11)	SHUTDOWN BANK C	
E		SBC-3 (L-13)	SHUTDOWN BANK C	
E		SBC-4 (N-5)	SHUTDOWN BANK C	
E		SBD-1 (F-6)	SHUTDOWN BANK D	
E		SBD-2 (F-10)	SHUTDOWN BANK D	
E		SBD-3 (K-10)	SHUTDOWN BANK D	
E		SBD-4 (K-6)	SHUTDOWN BANK D	
	032		SETS, ROD DRIVE M.G.	
E		1A	MOTOR GENERATOR SET 1A (SOUTH)	
E		1B	MOTOR GENERATOR SET 1B (NORTH)	

60 END OF REPORT EB88-01



Question

Item 2.1 (part 2) - Incomplete

Submit detailed information describing your vendor interface program for reactor trip system components. Information supplies should state how the program assures that vendor technical information is kept complete, current and controlled throughout the life of the plant and should also indicate how the program will be implemented at Shearon Harris, Unit 1.

Response

The Shearon Harris Nuclear Power Plant (SHNPP) reactor trip system is supplied by Westinghouse (NSSS vendor). CP&L has verified that Westinghouse Technical Bulletins applicable to Generic Letter 83-28 have been received. The recommendation of the Westinghouse Technical Bulletins on reactor trip breakers have been reviewed by CP&L and acted upon. Westinghouse has incorporated return receipt letters into their Technical Bulletins. These return receipt letters are followed up by Westinghouse if the receipt is not returned within a reasonable time. Westinghouse is also providing an updated list of Technical Bulletins which CP&L will use as an additional tool in ensuring that applicable Technical Bulletins have been received. Westinghouse has issued a complete list of past recommendations on NSSS equipment. The index of recommendations is also updated periodically to ensure the plant is aware of issued recommendations.

Once the Technical Bulletins are received, the vendor recommendations are processed in accordance with our procedures dealing with Operational Experience Feedback. Vendor recommendations concerning plant equipment are tracked by the Onsite Nuclear Safety Unit in accordance with the above Operating Experience Feedback Program procedures. This program ensures that the information is provided to Operations or Maintenance or other appropriate organizations for their use. The recommendations are tracked until final disposition occurs.

SHNPP has implemented procedures for initial review and revisions to the Technical Manual. Once the Technical Manual has been accepted for use by the Technical Support Unit, Document Control distributes the vendor manuals per Document Control Instruction.

At SHNPP, no distinction is made for on-site processing of vendor information for the reactor trip system components and other safety-related equipment. The current established controls provide for processing of vendor information with the same methodology established for Technical Manuals and Bulletins received.

In summary, CP&L believes the current vendor interface program for the reactor trip system components in conjunction with established plant procedures for maintenance, surveillance testing, equipment repair and replacement, and quality assurance program provide a comprehensive equipment reliability program throughout the life of the plant.



Question

Item 2.2.1 - Incomplete

Submit information on how equipment will be classified as safety-related and will be designated as such on plant documentation as requested in sub-items 2.2.1.1 to 2.2.1.6.

Response

An established procedure exists at SHNPP for the preparation and control of a component level classification. By procedure, the quality classification of components for quality purposes is obtained by applying the quality designation inherent in existing controlled design documents such as flow diagrams, controlled wiring diagrams, etc. Safety-related components are classified as Q-Class "A" with non-safety/seismic, radwaste, fire protection, and non-safety classified as "B", "C", "D", and "E", respectively. A component may meet more than one quality classification criteria; but in all cases, the highest quality class is the resultant quality classification.



Question

Item 2.2.2 - Incomplete

Submit detailed information describing your vendor interface program for all safety-related components. Information supplied should state how the program assures that vendor technical information is kept complete, current, and controlled throughout the life of the plant and should also indicate how the program will be implemented at Shearon Harris, Unit 1. If the recommendations of NUTAC are to be implemented at Shearon Harris, Unit 1, you need to supplement your response to address to concern about establishing and maintaining an interface with all vendors of safety-related equipment since the staff found NUTAC lacking in this respect.

Response

A unique aspect about SHNPP construction is the program of using permanent plant staff to order the initial loading of spare parts instead of depending on parts received only with initial equipment purchase. To support this program, a parallel effort is in process to systematically review all vendor technical manuals, starting with safety related vendors first. In this process, each vendor is contacted to verify the information is current, and maintenance personnel perform a review for adequacy of content. Once these technical reviews are completed, the manuals are accepted by Technical Support and sent to Document Control for distribution. As a result of these programs, SHNPP will be assured of having the latest technical manuals for safety-related equipment at time of fuel load.

With regard to continued maintenance of technical manuals, SHNPP intends to retain the function of technical manual upgrade in concert with our Operational Experience Feedback program, consistent with the NUTAC recommendations.

CP&L has reviewed the NUTAC Vendor Equipment Technical Information Program (VETIP) and believes that the NUTAC effort provides effective guidelines in establishing a vendor interface program. The VETIP as defined in the March 1984 NUTAC document is considered a valid response to Section 2.2.2 of the NRC Generic Letter 83-28. CP&L is in the process of implementing a program to meet the intent and guidelines of the NUTAC/VETIP.



Question

Item 3.1.3 - Incomplete

Results of review of test and maintenance programs shall identify any post-maintenance testing that may degrade rather than enhance safety and shall describe actions to be taken including submitting needed Technical Specification changes.

Item 3.2.3 - Incomplete

Same at Item 3.1.3.

Response

CP&L submitted the "pen and ink" version of the SHNPP Technical Specifications to the NRC on April 23, 1985. These Technical Specifications will undergo a detailed review by CP&L to assess the implementation of the required surveillances. This review will determine if the surveillances proposed by the SHNPP Technical Specifications (which are based upon NUREG-0452, Rev. 5, Westinghouse Standard Technical Specifications) can be implemented. Implicit in this assessment is that: (1) the surveillance does not damage the component, and (2) the applicable surveillance test(s) is/are required prior to declaring a component OPERABLE following maintenance which removes the component from service. The results of this review will be provided to the NRC as changes to the Technical Specifications during the review process for the SHNPP Technical Specifications. However, a specific submittal on the 3.1.3 and 3.2.3 items will not be made.

The Westinghouse Maintenance Manual for DS-416 reactor trip breakers has been received and reviewed. The appropriate maintenance procedures that implement the recommended maintenance action have been drafted.



Question

Item 4.5.2 - Incomplete

Provide a description of the design provisions that will permit on-line testing of the reactor trip system.

Response

Refer to FSAR Section 7.2.2.2.3.10 (Revision 17) for a description of the design provisions that will permit on-line testing.



Question

Item 4.5.3 - Incomplete

Provide results of review of existing or proposed intervals for on-line testing considering the concerns of 4.5.3.1 to 4.5.3.5 in the generic letter. Proposed Technical Specification changes resulting from this review shall be submitted for review.

Response

CP&L's November 7, 1983 submittal on Generic Letter 83-28 responded to this item. CP&L referenced WCAP-10271 "Evaluation of Surveillance Frequencies and Out of Service Times for Reactor Protection Instrumentation Systems" for reduced surveillance intervals for on-line testing of Reactor Protection System Channels. This WCAP was approved by the NRC on February 21, 1985. CP&L's April 23, 1985 Technical Specification submittal incorporates the reduced surveillance intervals within the limitations of the NRC's SER.

