

RESPONSE TO IE BULLETIN 79-01B QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2

Volume 2

REGULATORY DOCKET FILE COPY

Docket # 50-237 Control # 830 5250377 Date 5.19.83 of Document REGULATORY DOCKET FILE

Commonwealth Ediso

APPENDIX D.1 QUAD CITIES UNIT 1 AND COMMON COMPONENT EVALUATION WORKSHEETS SORTED BY SYSTEM

Revision 2 Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

> Elevation: Above Flood Level: Yes:

No:

QUAD CITIES 50-254

Docket No:

FOURMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR PROTECTION	Operating Time	1 MINUȚE	NOT REQD.	REF.			
Plant I.D. Number: TE-1-1291-60A THRU H Component: TEMPERATURE ELEMENT	Temperature (°F)	217	500	REF.	REF.		
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	500	REF.	REF.		
Model Number: S51-1-103 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE (1)
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	<1.0 E04		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	5.4 EOG RADS		REF.			SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA .	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. THESE TEMPERATURE SWITCHES ARE USED FOR LEAK DETECTION IN THE REACTOR WATER CLEAN-UP ROOMS. CONDITIONS ARE NORMALLY NON-HARSH. IMMEDIATELY FOLLOWING A LEAK, THE TEMPERATURE WILL INCREASE. AS SOON AS THE LEAK OCCURS THE SWITCHES WILL FUNCTION ACTUATING AN ALARM TO INITIATE SYSTEM ISOLATION. THIS WILL OCCUR WITHIN 1 MINUTE.	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984. THESE RESISTANCE TEMPERATURE DETECTORS ARE MANUFACTURED BY MINCO UNDER A CONTRACT FOR PANALARM (SCAM INSTRUMENTS).

Component Sheet No. 2 Revision: 2

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SYSTEM COMPONENT EVALUATION WORKSHEET

Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
B. BECHTEL LETTER OF 03-04-83 (CHRON 6958) C. PANALARM DWG. 77100-RTD-2B D. FSAR SECTION 10.10 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	MODEL S51-1-103 IS DESIGNED TO OPERATE IN A TEMPERATURE RANGE OF -328 TO +500F. ALTHOUGH OUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THE DESIGN TEMPERATURE RANGE OF THIS INSTRUMENT ENVELOPES THE ACCIDENT CONDITIONS. B. THE ACTUAL RADIATION EXPOSURE OF THE DEVICES FOR ACCIDENT CONDITIONS IS BELOW THE RADIATION DAMAGE THRESHOLD OF THE MOST SUSCEPTIBLE SUBCOMPONENT. C. THE ANNUNCIATIN FUNCTION IS COMPLETE PRIOR TO EXPOSURE TO A HARSH ENVIRONMENT SUBSEQUENT FAILURE OF THIS EQUIPMENT WOULD NOT MISLEAD THE OPERATOR. D. ALTERNATE MEANS OF LEAK DETECTION ARE AVAILABLE UTILIZING EXISTING PRESSURE, TEMPERATURE, AND FLOW INSTRUMENTS AND ALARMS IN THE RWCU SYSTEM; AUTOMATIC ISOLATION FOR HIGH NONREGENERATIVE HEAT EXCHANGER OUTLET TEMPERATURE WHICH WOULD RESULT IF A BREAK SHOULD OCCUR; AREA RADIATION MONITORS; AND REACTOR BUILDING SUMP PUMP OPERATION.
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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
ECOTPWENT DESCRIPTION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60A Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location RWCU PHASE SEPARATOR	Aging	3.6 EOG RADS	
TANK RODM Elevation 623'0"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

FOURTHENT DESCRIPTION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60B Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location RWCU PHASE SEPARATOR	Aging	3.6 EOG RADS	
TANK ROOM Elevation 623'0"	Submergence	NA .	
Flood Level Elevation: NA	L	G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Edon MENT DESCINETION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60C Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PS1A)	17.0	
Mode! Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location RWCU HEAT	Aging	5.4 EO6 RADS	
EXCHANGER ROOM Elevation 623'0"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTEMENT DESCRIPTION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60D Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Menufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number: Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location RWCU HEAT	Aging	5.4 EOG RADS	
EXCHANGER ROOM Elevation 623'O"	Submergence	NA	
Flood Level Elevation: NA	 	G-0858-03	

Component Sheet No. 5 Revision 2

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Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60E Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number:		<u> </u>	
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location RWCU HEAT	Aging	5.4 EO6 RADS	
EXCHANGER ROOM Elevation 623'0"	Submergence	NA ·	
Flood Level Elevation: NA Above Flood Level: Yes: No:		*.	

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Edurment Description	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60F Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51-1-103	Relative Humidity (%)	100	
Function/Service: LEAK DETECTION FOR	Chemical Spray	· NA	
RWCU ROOM	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location RWCU PUMP A	Aging	1.8 EO4 RADS	
ROOM Elevation 623'O"	Submergence	· NA	
Flood Level Elevation: NA		G-0858-03	

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Unit: Docket No:

Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTEMENT DESCRIPTION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60G Component: TEMPERATURE ELEMENT	Temperature (°F)	217	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	17.0	
Model Number: S51~1-103	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location RWCU PUMP B	Aging	1.8 EO4 RADS	
RQOM Elevation 623'O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:			

FOLUDIATINE PEROPUREION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: REACTOR PROTECTION	Operating Time	1 MINUTE	
Plant I.D. Number: TE-1-1291-60H Component: TEMPERATURE ELEMENT	Temperature (°F)	104	
Manufacturer: MINCO (FOR PANALARM)	Pressure (PSIA)	14.7	
Model Number: S51-1-103	Relative Humidity (%)	100	
Purchase Order Number:		 	
Function/Service: LEAK DETECTION FOR	Chemical Spray	NA	
RWCU ROOM	Radiation (Rad)	NA	
Accuracy: Spec: NA Demo: NA Location HALLWAY	Aging	RADS	
Elevation 623'O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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COMMONWEALTH EDISON

Facility: Unit:

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Elevation: Above Flood Level: Yes:

No:

ENVIRONMENT DOCUMENTATION REFERENCES QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: Operating CORE SPRAY NOT 12 DAYS REF. REF. Time REQD. (A) (B) Plant 1.D. Number: Temperature FS-1-1464A,B 114 NOT REF. REF. (^F) Component: REQD. (C) (B) FLOW SWITCH Pressure Manufacturer: 14.7 NOT REF. REF. (PSIA) BARTON REQD. (D) (B) Model Number: Relative 289 100 TON REF. REF. Humidity (%) REQD. (D) (B) Purchase Order Number: GE~ Chemical SPEC 21A1146P4 NA NA NA NΑ Spray Function/Service: SEE ATTACHED SHEETS Radiation 1.7 EO5 REF. SEE NOTE (Rad) (A) (1) Accuracy: Spec: Aging Demo: NA NOT REF. REF. (E) (F) Location: REQD. SEE ATTACHED SHEETS Submergence Elevation: NΑ NΑ NA NΑ SEE ATTACHED SHEETS Flood Level

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4	1. REPLACEMENT COMPONENTS QUALIFIED TO THE PARAMETERS LISTED ARE BEING PROCURED AND
C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2	WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984.
E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	ALTHOUGH QUALIFICATION DATA FOR RADIATION IS NOT AVAILABLE, CONTINUED STATION OPERATION
r. 1815 REPORT SECTION 4.5.0	IS JUSTIFIED FOR THE FOLLOWING REASON-

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	A. THESE SWITCHES CONTROL THE MINIMUM FLOW VALVE IN THE CORE SPRAY SYSTEM. FAILURE OF THESE SWITCHES, EITHER CLOSING OR OPENING THE MINIMUM FLOW VALVE, WILL NOT RESULT IN FAILURE OF THE CORE SPRAY SYSTEM TO DELIVER THE REQUIRED MIMIMUM FLOW TO THE CORE.
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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

Owner:

COMMONWEALTH EDISON

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Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
ECOTPINENT DESCRIPTION	Parameter	Specification		
System: CORE SPRAY	Operating Time	12 DAYS		
Plant I.D. Number: FS-1-1464A Component: FLOW SWITCH	Temperature (°F)	114		
Manufacturer: BARTON	Pressure (PSIA)	14.7		
Model Number: 289	Relative Humidity (%)	100		
Purchase Order Number: GE- SPEC 21A1146P4 Function/Service: OPENS VALVE	Chemical Spray	NA .		
MO-1-1402-38A ON LOW FLOW	Radiation (Rad)	<1.0E04		
Accuracy: Spec: NA Demo: NA Location RACK 2201-30A	Aging	NA		
NW CORNER ROOM Elevation 554'O"	Submergence	NA		
Flood Level Elevation: NA				

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EGOLLMENT DESCRIPTION	Parameter	Specification			
System: CORE SPRAY	Operating Time	12 DAYS			
Plant I.D. Number: FS-1-1464B Component: FLOW SWITCH	Temperature (°F)	114			
Manufacturer: BARTON	Pressure (PSIA)	14.7			
Model Number: 289	Relative Humidity (%)	100			
Purchase Order Number: GE- SPEC 21A1146P4 Function/Service: OPENS VALVE	Chemical Spray	NA			
MO-1-1402-38B ON LOW FLOW	Radiation (Rad)	1.7 EO5			
Accuracy: Spec: NA Demo: NA Location RACK 2201-30B	Aging	NA			
SW CORNER ROOM Elevation 554'O"	Submergence	NA			
Flood Level Elevation: NA		G-0858-03			

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Above Flood Level: Yes:

No:

	ENVIRONMENT	•	DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	12 DAYS	NOT REQD.	REF.	REF.		
Temperature (°F)	114	NOT REQD.	REF.	REF.		
Pressure (PSIA)	14.7	NOT REQD	REF.	REF.		
Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	1.7 EO5	2.75 EO6	REF.	REF.		
Aging	NA		REF.	REF.		
Submergence	NA ·	NA	NA	NA		
	Operating Time Temperature ("F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time 12 DAYS Temperature (°F) 114 Pressure (PSIA) 14.7 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 1.7 EO5 Aging NA	Parameter Specification Qualification Operating Time 12 DAYS NOT REQD. Temperature (°F) 114 NOT REQD. Pressure (PSIA) 14.7 NOT REQD Relative Humidity (%) 100 NOT REQD. Chemical Spray NA NA Radiation (Rad) 1.7 EO5 2.75 EO6 Aging NA	Parameter Specification Qualification Spec.	Parameter Specification Qualification Spec. Qual.	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2 E. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

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Flood Level

Yes:

Elevation: NA

Above Flood Level:

No:

ENVIRONMENT EQUIPMENT DESCRIPTION Specification Parameter System: Operating CORE SPRAY 12 DAYS Time Plant I.D. Number: Temperature FT-1-1461A 114 (°F) Component: FLOW TRANSMITTER Pressure Manufacturer: 14.7 (PSIA) GENERAL ELECTRIC Model Number: Relative 4532K~43001 100 Humidity (%) **TYPE 553** Purchase Order Number: GE-A9148 Chemical NΑ Spray Function/Service: PUMP 1-1401A DISCHARGE FLOW SENDS Radiation SIGNAL TO 1.0 E06 (Rad) FS-1-1464A Accuracy: Spec: NΑ Aging NA Demo: NA Location RACK 2201-30A NW CORNER ROOM Submergence Elevation NA 554'0"

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUDIFMENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant 1.D. Number: FT-1-1461B Component: FLOW TRANSMITTER	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 4532K-43001 TYPE 553 Purchase Order Number:	Relative Humidity (%)	100
GE-A9148 Function/Service: PUMP 1-1401B	Chemical Spray	NA
DISCHARGE FLOW SENDS SIGNAL TO FS-1-1464B	Radiation (Rad)	1.7 EO5
Accuracy: Spec: NA Demo: NA Location RACK 2201-30B	Aging	NA
SW CORNER ROOM Elevation 554'O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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COMMONWEALTH EDISON

Facility: Unit:

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Elevation: Above Flood Level: Yes:

FOLUDATIVE DECORPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CORE SPRAY	Operating Time	12 DAYS	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1402-24A,B Component: MOTOR OPERATED	Temperature (°F)	104	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100	. 100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.9 EO5	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA .	NA .	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT - LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. C. FSAR SECTION 10.10 D. NEDO REPORT 24217, TABLE 4-3	1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS BEEN DETERMINED TO BE NOT REQUIRED. THE DISCONNECTION OR REPLACEMENT OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984.

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Flood Level

Elevation: NA Above Flood Level:

QUAD CITIES

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: M0-1-1402-24A Component: MOTOR OPERATED	Temperature (°F)	104
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB-2-40	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: PUMP 1-1401A	Chemical Spray	NA
DISCHARGE SHUTOFF VALVE	Radiation (Rad)	3.9 EO5
Accuracy: Spec: NA Demo: NA Location 8'9" W OF COL. J	Aging	NA
10'1" S OF COL. 15 Elevation 639'7"	Submergence	NA

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

FOURTHINE PERCENTAGE		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: MO-1-1402-24B Component: MOTOR OPERATED	Temperature (°F)	104
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB-2-40	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: PUMP 1-1401B	Chemical Spray	NA
DISCHARGE SHUTOFF VALVE	Radiation (Rad)	3.9 E05
Accuracy: Spec: NA Demo: NA Location 12'O" W OF COL. M	Aging	NA
9'0" S OF COL. 15 Elevation 642'3"	Submergence	NA
Flood Level		G-0858-03

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COMMONWEALTH EDISON

Facility:

QUAD CITIES

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Elevation: Above Flood Level: Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Parameter erating ne	Specification 12 DAYS	Qualification 16 DAYS	Spec.	Qual.	METHOD	ITEMS
ne	12 DAYS			DEF		
		1	(A)	(B)	SIMULTANEOUS TEST	
	104	250	REF.	REF.	SIMULTANEOUS TEST	
ssure IA)	14.7	39.7	REF.	REF. (B)	SIMULTANEOUS TEST	
ative midity (%)	100	100	REF.	REF. (B)	SIMULTANEOUS TEST	
emical ay	NA	NA	NA	NA		
diation d)	3.9 EO5	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
ing	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
omergence	NA	NA	NA	NA		
a m	A) ntive nidity (%) mical ny iation	A) 14.7' Intive aidity (%) 100 Indicat NA Identify NA Identify NA Identify NA Intercence NA	14.7' 39.7 Intive aidity (%) 100 100 Indical app NA NA Intion 3.9 E05 2.0 E07 Ing NA 165 F FOR 199.8 HOURS	Saure	14.7' 39.7 REF. REF.	14.7' 39.7 REF. REF. SIMULTANEOUS

DOCUMENTATION REFERENCES NOTES A. BECHTEL RADIATION STUDY 1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST BEEN DETERMINED NOT TO BE REQUIRED. THE REPORT - LIMITORQUE VALVE ACTUATORS FOR CLASS 1E DISCONNECTION OR REPLACEMENT OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION SERVICE OUTSIDE PRIMARY CONTAINMENT. C. FSAR SECTION 6.2.3.2 OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984. D. NEDO REPORT 24217, TABLE 4-3

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QUAD CITIES 1

Docket No:

Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EQUIFMENT DESCRIPTION	Parameter	Specification			
System: CORE SPRAY	Operating Time	12 DAYS			
Plant I.D. Number: MO-1-1402-25A Component: MOTOR OPERATED	Temperature (°F)	104			
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE AC MOTOR	Pressure (PSIA)	14.7			
Model Number: SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100			
3620-125 SPEC R-2358 Function/Service: CONTAINMENT ISOLATION PUMP 1-1401A DISCHARGE	Chemical Spray	NA			
	Radiation (Rad)	3.9 EO5			
Accuracy: Spec: NA Demo: NA Location 6'9" W OF COL. J	Aging	NA			
12'1" S OF COL. 15 Elevation 642'3"	Submergence	NA			
Flood Level Elevation: NA Above Flood Level:					

FOLUDATELT DECORIDEION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: MO-1-1402-25B Component: MOTOR OPERATED	Temperature (°F)	104
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100
3620-125 SPEC R-2358 Function/Service: CONTAINMENT ISOLATION	Chemical Spray	NA
PUMP 1-1401B DISCHARGE	Radiation (Rad)	3.9 EO5
Accuracy: Spec: NA Demo: NA Location 12'O" W DF COL. M	Aging	NA
11'6" S OF COL.15 Elevation 642'3"	Submergence	NA
Flood Level	1 '	G-0858-03

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> Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOIFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CORE SPRAY	Operating Time	12 DAYS	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1402-38A,B Component: MOTOR OPERATED	Temperature (°F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-000-2 Purchase Order Number:	Relative Humidity (%)	100	. 100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	. NA	NA · ·	NA		
	Radiation (Rad)	2.6 EO7	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L			,L.,.	<u> </u>	· · · · · · · · · · · · · · · · · · ·	J-,

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. REPORT NO 600461-B0003, QUALIFICATION TYPE TEST REPORT - LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. C. THIS REPORT SECTION 6.2.3 D. NEDO REPORT 24217, TABLE 4-3	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE FOR RADIATION, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- A. THIS VALVE OPENS ON LOW FLOW TO PROVIDE

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DOCUMENTATION REFERENCES (cont.)	· NOTES (cont.)
	A MINIMUM FLOW LINE. FAILURE OF THIS VALVE TO OPEN WILL NOT REDUCE CORE COOLING FLOW. SHOULD THE VALVE FAIL IN THE OPEN POSITION, COOLANT INJECTION WOULD BE REDUCED BUT WOULD STILL MEET THE TECHNICAL SPECIFICATION REQUIREMENTS FOR MINIMUM FLOW TO THE CORE.
•	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOT MENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: MO - 1 - 1402 - 38A Component: MOTOR OPERATED	Temperature (°F)	135
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB-000-2	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: DIVERT FLOW TO	Chemical Spray	NA
RECIRCULATION LINE ON LOW FLOW FROM PUMP 1-1401A	Radiation (Rad)	2.6 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 590' 0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:	\ <u></u>	

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTPHENT DESCRIPTION	Parameter	Specification		
System: CORE SPRAY	Operating Time	12 DAYS		
Plant I.D. Number: MO-1-1402-38B Component: MOTOR OPERATED	Temperature (°F)	135		
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB ~ 000 ~ 2	Relative Humidity (%)	100		
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: DIVERT FLOW TO	Chemical Spray	NA		
RECIRCULATION LINE ON LOW FLOW FROM PUMP 1-1401B	Radiation (Rad)	2.6 E07		
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	. NA		
Elevation 590' O"	Submergence	NA		
Flood Level Elevation: NA	-	G-0858-03		

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Elevation:
Above Flood Level:
Yes: No

EQUIPMENT DESCRIPTION	ENVIRONMENT .		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CORE SPRAY	Operating Time	10 MINUTES	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1402-4A,B Component: MOTOR OPERATED	Temperature (°F)	120	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB - 1 - 15 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	. NA	NA	NA	NA		
	Radiation (Rad)	1.1 EO5	2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	. NA	165 F FOR 199.8 HOURS	REF. (E)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA .	NA ·	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 8.2.3 B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J.R. DRAB TO J. HINK DATED MAY 19, 1981. C. FSAR SECTION 6.2.3.2 D. BECHTEL RADIATION STUDY	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA
Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUDIPMENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	10 MINUTES
Plant I.D. Number: MO-1-1402-4A Component: MOTOR OPERATED GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR Model Number: SMB-1-15 Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: PUMP 1-1401A	Temperature (°F)	120
	Pressure (PSIA)	14.7
	Relative Humidity (%)	100
	Chemical Spray	, NA
TEST RETURN VALVE	Radiation (Rad)	1.1 EO5
Accuracy: Spec: NA Demo: NA Location 5'11" E OF COL. H	Aging	NA
1'6" S OF COL. 14 Elevation 588'0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
	Parameter	Specification
System: CORE SPRAY	Operating Time	10 MINUTES
Plant I.D. Number: MO-1-1402-4B Component: MOTOR OPERATED	Temperature (°F)	120
GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PS1A)	14.7
Model Number: SMB - 1 - 15 Purchase Order Number:	Relative Humidity (%)	100
3620-125 SPEC R-2358 Function/Service: PUMP 1-1401B	Chemical Spray	NA
TEST RETURN VALVE	Radiation (Rad)	1.1 EO5
 Accuracy: Spec: NA Demo: NA Location 10'0" E OF COL. M	Aging	NA
3'9" S OF COL. 15 Elevation 585'9"	Submergence	NA
Flood Level		G-0858-03

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Elevation:
Above Flood Level:
Yes: No

	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CORE SPRAY	Operating Time	12 DAYS	NOT REQD.	REF.	REF.		
Plant I.D. Number: PT-1-1460A.B Component: PRESSURE TRANSMITTER	Temperature (°F)	114	NOT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF. (B)		
Model Number: 4532K11001 GE/MAC 551 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	REF.	REF.	·	
GE-A8028 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA NA	NA	NA	NA		
	Radiation (Rad)	1.7 EO5	2.75 EO6	REF.	REF.	TYPE TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REOD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA .		
Flood Level	<u> </u>		L	<u> </u>	_ 	<u> </u>	

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2 E. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	

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Parameter

Operating

Temperature

Pressure

Relative

Chemical

Radiation

Spray

(Rad)

Aging

Submergence

Humidity (%)

(PSIA)

Time

(°F)

Facility:

System:

CORE SPRAY

Plant I.D. Number:

PT-1-1460A

Component:

Manufacturer:

Model Number:

4532K11001

GE/MAC 551 Purchase Order Number: GE-A8028

Function/Service: PUMP 1-1401A DISCHARGE PRESSURE

Accuracy:

Location

Elevation

554'0"

Flood Level Elevation: NA

Yes:

Above Flood Level:

No:

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EQUIPMENT DESCRIPTION

PRESSURE TRANSMITTER

Spec:

Demo:

RACK 2201-30A NW CORNER ROOM NΑ

NA

GENERAL ELECTRIC

SYSTEM COMPONENT EVALUATION WORKSHEET

ENVIRONMENT

Specification

12 DAYS

114

14.7

100

NA

<1.0E04

NΑ

NA

Ε Above Flood Level:

Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: PT-1-1460B Component: PRESSURE TRANSMITTER	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 4532K11001 GE/MAC 551 Purchase Order Number:	Relative Humidity (%)	100
GE-A8028 Function/Service: PUMP 1-1401B	Chemical Spray	, NA
DISCHARGE PRESSURE	Radiation (Rad)	1.7 EO5
Accuracy: Spec: NA Demo: NA Location RACK 2201-30B	Aging	NA ·
SW CORNER ROOM Elevation 554'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Elevation: Above Flood Level: Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES **ENVIRONMENT** QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: В Operating SIMILARITY CORE SPRAY 12 DAYS SEE NOTE REF. REF. Time (B) (1) (A) TEST Plant I.D. Number: Temperature 1-1401A,B 114 212 REF. REF. SIMILARITY (°F) Component: (C) (B) TEST PUMP-MOTOR DRIVEN Pressure REF. REF. SIMILARITY Manufacturer: 14.7 14.7 (PSIA) GENERAL ELECTRIC (D) (B) TEST Model Number: Relative 5K6338XC23A 100 100 REF. REF. SIMILARITY Humidity (%) (D) (B) TEST Purchase Order Number: GE-92081 Chemical SPEC 21A5580 NOT NΑ NΑ NA Spray Function/Service: REQD SEE ATTACHED SHEETS Radiation SIMILARITY REF. REF. 5.8 E05 4.6 EO7 (Rad) (A) (B) TEST Accuracy: Spec: Aging Demo: NA 69000 HRS REF. REF. SIMILARITY AT 284 F (E) (B) TEST Location: SEE ATTACHED SHEETS Submergence Elevation: NΑ NΑ NΑ NA SEE ATTACHED SHEETS Flood Level

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. NEDO REPORT 24217, TABLE 4-3 QUALIFICATION DATA REPORT; COMPARISON OF RHR AND CORE SPRAY MOTOR DATA WITH QUALIFICATION TEST DATA FOR SIMILAR MOTORS. C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2	1. THE TEST WAS PERFORMED IN TWO SIX HOUR CYCLES AT 212 F THEN A POST DBE TEST AT 189 F FOR 200 HOURS WHICH IS MUCH MORE STRINGENT THAN 114 F FOR 12 DAYS.

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E. NEDO REPORT 24217, TABLE 4-3	
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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
•	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: 1-1401A Component: PUMP-MOTOR DRIVEN	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K6338XC23A Purchase Order Number:	Relative Humidity (%)	100
GE-92081 SPEC 21A5580 Function/Service: CORE SPRAY INJECTION	Chemical Spray	NA
TO REACTOR-A LOOP	Radiation (Rad)	5.8 EO5
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 554'0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

. EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGOTPMENT DESCRIPTION	Parameter	Specification
System: CORE SPRAY	Operating Time	12 DAYS
Plant I.D. Number: 1-1401B Component: PUMP-MOTOR DRIVEN	Temperature (°F)	1 1.4
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K6338XC23A	Relative Humidity (%)	100
Purchase Order Number: GE-92081 SPEC 21A5580 Function/Service: CORE SPRAY INJECTION	Chemical Spray	NA
TO REACTOR-B LOOP	Radiation (Rad)	5.8 EO5
Accuracy: Spec: NA Demo: NA Location SW CORNER ROOM	Aging	NA
Elevation 554'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Aging

Submergence

NA

NA

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SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES **ENVIRONMENT** OUTSTANDING QUALIFICATION EQUIPMENT DESCRIPTION ITEMS METHOD Parameter Specification Qualification Spec. Qual. System: Operating HIGH PRESSURE <1 MINUTE SEE NOTE SEE NOTE Time CODLANT INJECTION (2) (1) Plant I.D. Number: Temperature SEE NOTE SEE ATTACHED SHEETS 188 REF. (°F) Component: (A) (2) TEMPERATURE SWITCH Pressure Manufacturer: NOT REF. 14.7 REF. (PSIA) UNITED ELECTRIC REQD. (A) (B) CONTROLS Model Number: Relative 88B TYPE F7 SEE NOTE 100 REF. Humidity (%) (A) (2) Purchase Order Number: GE H0752 Chemical 136B1921P1 NA NΑ NA NA Spray Function/Service: SEE ATTACHED SHEETS Radiation <1.0 E04 NOT REF. REF. (Rad) (C) (B) REQD. Accuracy: Spec:

NOT

REQD.

NΑ

REF.

(D)

NA

REF. (E)

NA

Flood Level Elevation: Above Flood Level: Yes: No:

Demo:

SEE ATTACHED SHEETS

SEE ATTACHED SHEETS

Location:

Elevation:

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.2-1 AND CALIBRATION B. THIS REPORT SECTION 4.4 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. AS SOON AS STEAM LINE BREAK OCCURS IN THE STEAM TUNNEL THE SENSORS DETECT HIGH TEMPERATURE AND THEIR FUNCTION IS COMPLETED. 2. THESE COMPONENTS WILL BE QUALIFIED BY ENGINEERING ANALYSIS BEFORE JANUARY 1, 1984 OR COMPONENTS QUALIFIED FOR OPERATION IN THE ENVIRONMENT LISTED ABOVE WILL BE PROCURED

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DOCUMENTATION REFERENCES (cont.) NOTES (cont.) FOR INSTALLATION DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA ARE NOT AVAILABLE. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON-A. PERIODIC CALIBRATION IN ACCORDANCE WITH CALIBRATION PROCEDURE QIS-27 IS PERFORMED ON THESE COMPONENTS WHICH WOULD JUSTIFY THAT THESE ARE OPERATIONAL DURING THE REQUIRED SERVICE CONDITIONS. THE MAXIMUM OPERATING TEMPERATURE OF THE SWITCHES BY DESIGN IS 370F WHICH IS ABOVE THE REQUIRED OPERATING TEMPERATURE.

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Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT	
220	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant 1.D. Number: TS-1-2370A Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7 Purchase Order Number:	Relative Humidity (%)	100
GE HO752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA .
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location ABOVE HPCI TURBINE	Aging	NA
Elevation 560′0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:	,	

EQUIPMENT DESCRIPTION		ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-2370B Component: TEMPERATURE SWITCH	Temperature (°F)	188	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA	
VALVES	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location ABOVE HPCI TURBINE	Aging	NA	
Elevation 560' O"	Submergence	NA	
Flood Level Elevation: NA		G~0858-03	

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Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION		ENVIRONMENT	
, CONTRICT DESCRIPTION	Parameter	Specification	
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-2370C Component: TEMPERATURE SWITCH	Temperature (°F)	188	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA 8	
VALVES	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location SOUTH END OF HPCI	Aging	NA	
TURB.GLAND SEAL Elevation 560' O"	Submergence	NA .	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

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EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2370D Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE HO752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA .
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NORTH END OF HPCI	Aging	NA
TURB.GLAND SEAL Elevation 560' O"	Submergence	NA .
Flood Level Elevation: NA		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Eddi MENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2371A Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location ABOVE HPCI TURB, WEST	Aging	NA
WALL STEAM INLET Elevation 560' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: . Yes: No:		

FOLUDIMENT DECORRETION	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2371B Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location ON RING ABOVE	Aging	NA
HPCI TURB. Elevation 560' 0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Above Flood Level:

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIDMENT DESCRIPTION	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2371C Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number:		
GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location SOUTH END OF	Aging	NA
HPCI TURB. Elevation 560' O"	Submergence	NA
Flood Level Elevation: NA	L-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,	

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Eddiriment Description	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant 1.D. Number: TS-1-2371D Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location NORTH END OF	Aging	NA
HPCI TURB. Elevation 560′ O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGON MENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2372A Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location ABOVE HPCI TURB-WEST	Aging	NA
WALL TURB STEAM INLET	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		·

		ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification	
	System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
	Plant I.D. Number: TS-1-2372B Component: TEMPERATURE SWITCH	Temperature (°F)	188
	Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
	Model Number: 888 TYPE F7	Relative Humidity (%)	100
	Purchase Order Number: GE HO752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
	VALVES	Radiation (Rad)	<1.0 EO4
	Accuracy: Spec: NA Demo: NA Location ON RING ABOVE	Aging	NA
	HPCI TURBINE Elevation 560′ O"	Submergence	NA
	Flood Level		G-0858-03

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Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level:

Yes:

EQUIDMENT DECORDING		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2372C Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7 Purchase Order Number:	Relative Humidity (%)	100
GE HO752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location SOUTH END OF HPCI	Aging	NA
TURB. GLAD SEAL Elevation 560' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

FOURDMENT DESCRIPTION	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2372D Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS Model Number: 88B TYPE F7 Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Pressure (PSIA)	14.7
	Relative Humidity (%)	100
	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NORTH END OF HPCI	Aging	NA
TURB. GLAND SEAL Elevation 560'.0"	Submergence	NA
Flood Level		G-0858-03

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COMMONWEALTH EDISON

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
Eddir Melvi Descrit from	Parameter '	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2373A Component: TEMPERATURE SWITCH	Temperature (°F)	188 .
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7	Relative Humidity (%)	100
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location ABOVE HPCI TURB WEST	Aging .	NA
WALL TURB STEAM INLET Elevation 560' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

FOUNDMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-2373B Component: TEMPERATURE SWITCH	Temperature (°F)	188
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B TYPE F7 Purchase Order Number:	Relative Humidity (%)	100
GE HO752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA
VALVES	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location ON RING ABOVE	Aging	NA
HPCI TURBINE Elevation 560' O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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COMMONWEALTH EDISON

Facility: Unit:

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

	, ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification		
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE		
Plant I.D. Number: TS-1-2373C Component: TEMPERATURE SWITCH	Temperature (°F)	188		
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7		
Model Number: 88B TYPE F7	Relative Humidity (%)	100		
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA		
VALVES	Radiation (Rad)	<1.0 E04		
Accuracy: Spec: NA Demo: NA Location SOUTH END OF HPCI	Aging	NA		
TURB GLAND SEAL Elevation 560' O"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level:				

EQUIPMENT DESCRIPTION		ENVIRONMENT			
ECOTIMENT DESCRIPTION	Parameter	Specification			
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	<1 MINUTE			
Plant I.D. Number: TS~1-2373D Component: TEMPERATURE SWITCH	Temperature (°F)	188			
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7			
Model Number: 88B TYPE F7	Relative Humidity (%)	100			
Purchase Order Number: GE H0752 136B1921P1 Function/Service: CLOSES ISOLATION	Chemical Spray	NA			
VALVES	Radiation (Rad)	<1.0 E04			
Accuracy: Spec: NA Demo: NA Location NORTH END HPCI	Aging	• NA			
TURB GLAND SEAL Elevation 560' O"	Submergence	NA			
Flood Level Elevation: NA		G-0858-03			

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> Elevation: Above Flood Level: Yes:

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EQUIPMENT DESCRIPTION	·	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	7
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS	1
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR		REF.			SEE NOTE	1
Plant I.D. Number: DPIS-1-2352, 2353 Component: DIFFERENTIAL PRESSURE	Temperature (°F)	285		REF.			SEE NOTE	1
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	21.0		REF.			SEE NOTE	
Model Number: 288 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE	
158B7018P12 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA			
	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.			
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.			
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA			
Flood Level	LL	L		l	<u> </u>	L	L	٢

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.3.2 C. THIS REPORT SECTION 4.4 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE OUTAGE PRESENTLY SCHEDULED TO END MAY 1984. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- A. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. B. THERE ARE ADDITIONAL COMPONENTS WHICH WOULD BE CAPABLE OF PROVIDING THE SAME ISOLATION SIGNAL.
	•
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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUGIFINENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: DPIS-1-2352 Component: DIFFERENTIAL PRESSURE	Temperature (°F)	285
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	21.0
Model Number: 288	Relative Humidity (%)	100
Purchase Order Number: 158B7018P12 Function/Service: ACTIVIATES AUTO	Chemical Spray	NA
ISOLATION SYSTEM	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location RACK2201-28	Aging	NA
COLUMNS 15 & M Elevation 595'O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTPWENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: DPIS-1-2353 Component: DIFFERENTIAL PRESSURE	Temperature (°F)	285
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	21.0
Model Number: 288	Relative Humidity (%)	100
Purchase Order Number: 158B7018P12 Function/Service: ACTIVIATES AUTO	Chemical Spray	NA
ISOLATION SYSTEM	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location RACK2201-28	Aging	NA
COLUMNS 15 & M Elevation 595'O"	Submergence	NA
Flood Level		G-0858-03

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Elevation:
Above Flood Level:
Yes: No

FOURMENT DECORIDATION	. ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	.26 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: LS-1-2351A,B Component: LEVEL SWITCH	Temperature (°F)	135	300	REF.	REF.	SIMULTANEOUS TEST	
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 291	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Purchase Order Number: Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA NA	NA	NA		
SEE ATTACHED SHEETS	Radiation (Rad)	<1.0 EO4	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. GE TEST REPORT NO. 159C4361 QUALIFICATION DESIGN VERIFICATION FILE AND WYLE TEST REPORT NO. 43235-1. C. THIS REPORT SECTION 4.3.1 D. THIS REPORT SECTION 4.4 E. NEDO REPORT 24217, TABLE 4-3	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
F. THIS REPORT SECTION 4.3.6	
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Above Flood Level:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	E	NVIRONMENT
EGOTFWENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: LS-1-2351A Component: LEVEL SWITCH	Temperature (°F)	135
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7
Model Number: 291	Relative Humidity (%)	100
Purchase Order Number:	<u> </u>	
Function/Service: .SUPPRESSION POOL LOW	Chemical Spray	NA
LEVEL SWITCH	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location SIDE OF TORUS	Aging	NA .
NEAR AZIMUTH 225 Elevation 575'O"	Submergence	NA .
Flood Level Elevation: NA	L	······································

COMPACNIT PROPERTICAL	E	ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: LS-1-2351B Component: LEVEL SWITCH	Temperature (°F)	135
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7
Model Number: 291	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: SUPPRESSION POOL LOW	Chemical Spray	NA
LEVEL SWITCH	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location SIDE OF TORUS	Aging	NA .
NEAR AZIMUTH 225 Elevation 575'O"	Submergence	NA
Flood Level		G-0858-03

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Elevation: NA Above Flood Level: Yes:

No:

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EQUIPMENT DESCRIPTION		ENVIRONMENT	г	DOCUMENTATI	ON REFERENCES	QUALIFICATION METHOD	OUTSTANDING ITEMS
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.		
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: M0-1-2301-35 Component: M0TOR-OPERATED	Temperature (^F)	230	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	21.0	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-0-25 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SUCTION VALVE FROM	Chemical Spray	NA	NA	NA	NA		
SUPPRESSION CHAMBER	Radiation (Rad)	<1.0 EO4	1.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: HPCI ROOM	Aging	NA 0	165 F FOR 199.8 HOURS	REF.	REF. (B)	SEQUENTIAL TEST	
Elevation: 560' O"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. C. SPECIAL REPORT 12, REV 1, FEB. 1975 D. NEDO REPORT 24217, TABLE 4-3	

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Facility:

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Elevation: NA Above Flood Level: Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	16 DAYS	REF.	REF. (B)	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-2301-36 Component: MOTOR-OPERATED	Temperature (°F)	230	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	21.0	39.7	REF.	REF.	SIMULTANEOUS TEST	}
Model Number: SMB-0-25 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: PUMP SUCTION FROM	Chemical Spray	NA	NA	NA	NA		
SUPPRESION CHAMBER	Radiation (Rad)	<1.0 EO4	1.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: HPCI ROOM	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: 569'0"	Submergence	NA	NA	NA	NA		
Flood Level	1				<u></u>	L	1

DOCUMENTATION REFERENCES NOTES A. BECHTEL RADIATION STUDY B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. C. SPECIAL REPORT 12, REV 1, FEB 1975 D. NEDO REPORT 24217, TABLE 4-3

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Elevation: 583' 0"
Above Flood Level:
Yes: X No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION METHOD	OUTSTANDING ITEMS
ECOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.		
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: MO-1-2301-4 Component: MOTOR-OPERATED	Temperature (°F)	334	250	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	63.0	39.7	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
Model Number: SMB - 1 - 60 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
3620-125 SPEC R-2358 Function/Service: STEAM SUPPLY LINE	Chemical Spray	DEMIN WATER	NONE	REF.			SEE NOTE
ISOLATION VALVE	Radiation (Rad)	<1.0E04	2.0 E07	REF.	REF. (B)	SEQUENTIAL TEST	
Accuracy: Spec: \$NA Demo: \$NA Location: NORTHSIDE - GROUND	Aging	150 F 6.6 E06 RADS	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
FLOOR DRYWELL Elevation: 595' O"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT-LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. C. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- THIS VALVE IS LOCATED

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
FSAR FIGURE 5.2.17 FSAR SECTION 6.2.4.2.2 NEDO REPORT 24217, TABLE 4-3	INSIDE DRYWELL AND IS NORMALLY OPEN. FOLLOW- ING A POSTULATED ACCIDENT, IT WOULD REMAIN OPEN TO ALLOW STEAM FLOW TO THE HPCI TURBINE. VALVE OPERATION WOULD ONLY BE REQUIRED TO ISOLATE THE HPCI STEAM LINE. THREE ADDITIONAL VALVES ARE LOCATED ON THIS STEAM LINE OUTSIDE DRYWELL TO ISOLATE THE STEAM LINE. SINCE THE HARSH ENVIRONMENT INSIDE DRYWELL IS ASSOCIATED WITH AN ACCIDENT WHICH WOULD NOT AFFECT ENVIRONMENTS OR HPCI STEAM LINE PIPE INTEGRITY OUTSIDE DRYWELL, THE THREE OUTSIDE DRYWELL VALVES WOULD BE CAPABLE OF ISOLATING THE STEAM LINE.
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Elevation: NA Above Flood Level: Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Date 05-01-83

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR		REF.			SEE NOTE
Plant 1.D. Number: MO-1-2301-5 Component: MOTOR-OPERATED	Temperature (*F)	285		REF (B)			SEE NOTE
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	21.0		REF.			SEE NOTE
Model Number: SMB - 1	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: STEAM SUPPLY LINE	Chemical Spray	NA NA	NA	NA	NA		
ISOLATION VALVE	Radiation (Rad)	6.6 EO6	NOT REQD.	REF.	REF.		
Accuracy: Spec: NA Demo: NA Location: NORTHSIDE OF REACTOR	Aging	NA	NOT REQD.	REF.	REF.		
TOP OF TORUS Elevation: 590'O"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.3.2 C. THIS REPORT SECTION 4.4 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- A. THIS COMPONENT IS DESIGNED AS A REDUNDANT PAIR, WITH MO-1-2301-4, EACH

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	SEPARATED FROM THE OTHER WITH ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT B. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. ADDITIONAL VALVES (MO-1-2301-3, MO-1-2301-4, THE TURBINE STOP VALVE, AND THE TURBINE CONTROL VALVE) WHICH WOULD ALSO BE
·	CAPABLE OF PROVIDING THE ISOLATION FUNCTION ARE LOCATED IN THIS PIPING SYSTEM.
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Owner: Facility:

Docket No:

Elevation: NA Above Flood Level: Yes: No

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SYSTEM COMPONENT EVALUATION WORKSHEET

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EQUIPMENT DESCRIPTION		ENVIRONMENT	•	DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR		REF.			SEE NOTE
Plant I.D. Number: MO-1-2301-8 Component: MOTOR OPERATED	Temperature (*F)	304		REF.			SEE NOTE
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PS1A)	27.5		REF.			SEE NOTE
Model Number: SMB 3-80 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
3620-125 SPEC R-2358 Function/Service: HPCI PUMP	Chemical Spray	. NA	NA	NA	NA		
DISCHARGE VALVE	Radiation (Red)	<1.0 EO4		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: STEAM TUNNEL	Aging	150 F 1.4 EO6 RADS		REF.			SEE NOTE
Elevation: 595'0"	Submergence	NA	NA	NA	NA		
Flood Level	L.,,		<u> </u>		<u> </u>	L	I

NOTES
1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICTAION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- A. THIS COMPONENT IS DESIGNED AS A REDUNDANT PAIR, WITH MO-1-2301-9, EACH SEPARATED

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Unit: 1

DOCUMENTATION REFERENCES (cont.)	. NOTES (cont.)
	FROM THE OTHER, WITH ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. B. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THIS COMPONENT UNDERGOES PERIODIC SURVEILLANCE TESTING. THIS TESTING WOULD DETECT AGE RELATED DEGRADATION OR FAILURE.

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

Docket No: 50-254

Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
l II	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR		REF.			SEE NOTE
Plant I.D. Number: PS-1-2389A,B,C,D Component: PRESSURE SWITCH (LOW)	Temperature (°F)	285		REF.			SEE NOTE
Manufacturer: BARKSDALE	Pressure (PSIA)	21.0		REF.			SEE NOTE
Model Number: B2T-A12SS Purchase Order Number:	Relative Humidity (%)	100		REF.		,	SEE NOTE
209A4965P1 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA	•	
	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA .	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.3.2 C. THIS REPORT SECTION 4.4 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE OUTAGE PRESENTLY SCHEDULED TO END MAY 1984. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- A. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT

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COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. B. THERE ARE ADDITIONAL COMPONENTS WHICH WOULD BE CAPABLE OF PROVIDING THE SAME ISOLATION SIGNAL.
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Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

50-254

QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUDIFINENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: PS-1-2389A Component: PRESSURE SWITCH (LOW)	Temperature (^F)	285
Manufacturer: BARKSDALE	Pressure (PSIA)	21.0
Model Number: B2T-A12SS	Relative Humidity (%)	100
Purchase Order Number: 209A4965P1 Function/Service: REACTOR LOW PRESSURE	Chemical Spray	N A
	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location RACK 2201-28	Aging	· · NA
COLUMNS 15 & M Elevation 595'O"	Submergence	, NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: PS-1-2389B Component: PRESSURE SWITCH (LOW)	Temperature (°F)	285
Manufacturer: BARKSDALE	Pressure (PSIA)	21.0
Model Number: B2T-A12SS Purchase Order Number:	Relative Humidity (%)	100
209A4965P1 Function/Service: REACTOR LOW PRESSURE	Chemical Spray	NA
	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location RACK 2201-28	Aging	NA
COLUMNS 15 & M Elevation 595'O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: PS-1-2389C Component: PRESSURE SWITCH (LOW)	Temperature (°F)	285
Manufacturer: BARKSDALE	Pressure (PSIA)	21.0
Model Number: B2T-A12SS	Relative Humidity (%)	100
Purchase Order Number: 209A4965P1 Function/Service: REACTOR LOW PRESSURE	Chemical Spray	. NA
	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location RACK 2201-28	Aging .	NA .
COLUMNS 15 & M Elevation 595'O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:	J	

FOLUBMENT DECORPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR
Plant I.D. Number: PS-1-2389D Component: PRESSURE SWITCH (LOW)	Temperature (°F)	285
Manufacturer: BARKSDALE	Pressure (PSIA)	21.0
Model Number: B2T-A12SS	Relative Humidity (%)	100
Purchase Order Number: 209A4965P1 Function/Service: REACTOR LOW PRESSURE	Chemical Spray	NA NA
	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA , Demo: NA Location RACK 2201-28	Aging	NA
COLUMNS 15 & M Elevation 595'O"	Submergence	NA
Flood Level	1	G-0858-03

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Date 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

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Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
L _f	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	NOT REQD	REF.	REF.		
Plant I.D. Number: 102A Component: TIME DELAY	Temperature (^F)	80	NOT REQD	REF.	REF.		
RELAY Manufacturer: CONTROL PRODUCT DIV AMERACE CORP	Pressure (PSIA)	14.7	NOT REQD	REF.	REF. (B)		
Model Number: AGASTAT TR14I3B Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	REF.	REF. (B)		
735150 Function/Service: PREVENT SPURIOUS	Chemical Spray	NA	NA	NA	NA		
PREVENT SPURIOUS STEAMLINE ISOLATION	Radiation (Rad)	<1.0 EO4	NOT REQD	REF.	REF.		
Accuracy: Spec: NA Demo: NA Location: IN AUX ELEC EQ RM	Aging .	NA	NOT REQD	REF.	REF.		
PANEL 901-33 Elevation: 595′ O"	Submergence	NA	NA	NA	NA		
Flood Level		 				1	· L

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	

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Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	• QUALIFICATION	OUTSTANDING	
EGOTEMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS	1
System: HIGH PRESSURE COOLANT INJECTION	Operating Time	1 HOUR	NOT REQD	REF.	REF.			7
Plant I.D. Number: 102B Component: TIME DELAY	Temperature (°F)	80	NOT REQD	REF.	REF.			1
TIME DELAY RELAY Manufacturer: CONTROL PRODUCT DIV AMERACE CORP	Pressure (PSIA)	14.7	NOT REQD	REF.	REF.			
Model Number: AGASTAT TR14D3B Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	REF.	REF.			
735150 Function/Service: PREVENT SPURIOUS	Chemical Spray	NA .	NA	NA	NA			
STEAMLINE ISOLATION	Radiation (Rad)	<1.0 EO4	NOT REQD	REF.	REF.			1
Accuracy: Spec: NA Demo: NA Location: IN AUX ELEC EQ RM	Aging	NA	NOT REQD	REF.	REF.			
PANEL 901-39 Elevation: 595' O"	Submergence	NA	NA	NA	NA			1
Flood Level	 	 	<u> </u>		1		<u>.L</u>	٢

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	

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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Elevation: 583'0" Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	-	
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS	1
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 DAY	7 DAYS	REF.	REF.	SIMULTANEOUS TEST		70
Plant I.D. Number: 1-203-3A Component: SAFETY RELIEF VALVE	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST		1
AND SOLENOID Manufacturer: TARGET ROCK/ AUTOMATIC VALVE CO	Pressure (PSIA)	63.0	79.7	REF.	REF.	SIMULTANEOUS TEST		1
Model Number: C5450-5 Purchase Order Number:	Relative Humidity (%)	100	STEAM .	REF.	REF.	SIMULTANEOUS TEST		1
GE HO27O SPEC 21A5482 Function/Service: SAFETY RELIEF VALVE	Chemical Spray	DEMIN WATER	NOT REQD.	REF.	REF.			
FOR REACTOR PRESSURE VESSEL	Radiation (Rad)	< 1.0 EO4	3.0 E07	REF.	REF.	SEQUENTIAL TEST		
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL ON	Aging	150F 2.3 EO6 RADS	203 F CONTINUOUS	REF.	REF.	SEQUENTIAL TEST		
A MAIN STEAM LINE Elevation: 615'O"	Submergence	NA .	NA	NA	NA			1
Flood Level	l		<u> </u>		1	<u> </u>	<u> </u>	Ļ

DOCUMENTATION REFERENCES	NOTES
. FSAR FIGURE 5.2.17	
ATTACHMENT FORM D173-9675, REV O DATED 9/6/75	
TO TVA LETTER, F. W. CHANDLER TO J. HINK	
DATED 9/12/82 CHRON 5696. PLANT EQUIPMENT DESIGN	
ENGINEERING MEMORANDUM NO. 126-62.	
. NSE0-52-0682, DRF NO. T23-00442- DRESDEN 2&3	•
AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL	

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QUAD CITIES

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
TEMPERATURE ANALYSIS CHRON 05642. D. FSAR SECTION 6.2.4.2.2 E. THE ELECTRICAL COMPONENTS ASSOCIATED WITH THIS RELIEF VALVE ARE ENCLOSED IN A METAL ENCLOSURE WHICH OPENS FROM THE BOTTOM ONLY. SPRAY THEREFORE COULD NOT AFFECT THE OPERATION OF THIS COMPONENT. F. BECHTEL RADIATION STUDY G. NEDO REPORT 24217, TABLE 4-3	
	•
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Date 05-01-83

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COMMONWEALTH EDISON

Facility: Unit:

> Elevation: Above Flood Level: Yes:

No:

QUAD CITIES

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EQUIPMENT DESCRIPTION Parameter	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 HOUR	10 HOURS	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: 1-203-3B,C,D,E Component: ELECTROMATIC RELIEF	Temperature (°F)	334	300	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
VALVE AND SOLENOID Manufacturer: DRESSER INDUSTRIES	Pressure (PSIA)	63.0	76.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE-1525VX Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	·
GE HO270 SPEC 21A5482 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER		REF.	REF.		
	Radiation (Rad)	< 1.0 EO4		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F 2.3 EO6 RADS		REF.			SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence .	NA	NA	NA	NA .		
Flood Level		 	.l			L	<u> </u>

DOCUMENTATION REFERENCES	NOTES			
A. FSAR FIGURE 5.2.17 B. PEP REPORT NO. 42963, MAY 1968, SECTION1. TEST- DRESSER RELIEF VALVE ACTUATOR C. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. D. FSAR SECTION 6.2.4.2.2	1. A MATERIAL ANALYSIS WILL BE PERFORMED BY DECEMBER, 1983.			

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
THE ELECTRICAL COMPONENTS ASSOCIATED WIHT THIS EQUIPMENT ARE CONTAINED IN A METAL ENCLOSURE WHICH OPENS FROM THE BOTTOM ONLY. THEREFORE, SPRAY COULD NOT AFFECT THIS EQUIPMENT BECHTEL RADIATION STUDY NEDO REPORT 24217, TABLE 4-3	
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Date: 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: χ No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTPMENT DESCRIPTION	Parameter	Specification		
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 HOUR		
Plant I.D. Number: 1-203-3B Component: ELECTROMATIC RELIEF	Temperature (°F)	334		
VALVE AND SOLENOID Manufacturer: DRESSER INDUSTRIES	Pressure (PSIA)	63.0		
Model Number: TYPE-1525VX	Relative Humidity (%)	100		
Purchase Order Number: GE HO270 SPEC 21A5482 Function/Service: RELIEF VALVE FOR	Chemical Spray	DEMIN WATER		
REACTOR PRESSURE VESSEL	Radiation (Rad)	< 1.0 E04		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
INSIDE DRYWELL ON		2.3 EO6 RADS		
B MAIN STEAM LINE Elevation 615' O"	Submergence	NA		
Flood Level Elevation: 583'0" Above Flood Level:	<u> </u>			

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGGIFIMENT DESCRIFTION	Parameter	Specification
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 Hour
Plant I.D. Number: 1-203-3C Component: ELECTROMATIC RELIEF	Temperature (°F)	334
VALVE AND SOLENOID Manufacturer: DRESSER INDUSTRIES	Pressure (PSIA)	63.0
Model Number: TYPE-1525VX	Relative Humidity (%)	100
Purchase Order Number: GE H0270 SPEC 21A5482 Function/Service: RELIEF VALVE FOR	Chemical Spray	DEMIN WATER
REACTOR PRESSURE VESSEL	Radiation (Rad)	< 1.0 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
INSIDE DRYWELL ON C MAIN STEAM LINE Elevation 615' O"	Submergence	2.3 EOG RADS NA
Flood Level Elevation: 583'0"		G-0858-03

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254 ·

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION		E NVIRONMENT
EUDIFINENT DESCRIPTION	Parameter	Specification
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 HOUR
Plant I.D. Number: 1-203-3D Component: ELECTROMATIC RELIEF	Temperature (°F)	334
VALVE AND SOLENOID Manufacturer: DRESSER INDUSTRIES	Pressure (PSIA)	63.0
Model Number: TYPE-1525VX	Relative Humidity (%)	100
Purchase Order Number: GE HO270 SPEC 21A5482 Function/Service: RELIEF VALVE FOR	Chemical Spray	DEMIN WATER
REACTOR PRESSURE VESSEL	Radiation (Rad)	< 1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
INSIDE DRYWELL ON		2.3 EO6 RADS
D MAIN STEAM LINE Elevation 615' O"	Submergence	NA
Flood Level Elevation: 583'0" Above Flood Level:	<u> </u>	

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification		
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	1 HOUR		
Plant I.D. Number: 1-203-3E Component: ELECTROMATIC RELIEF	Temperature (°F)	334		
VALVE AND SOLENOID Manufacturer: DRESSER INDUSTRIES	Pressure (PSIA)	63.0		
Model Number: TYPE-1525VX	Relative Humidity (%)	100		
Purchase Order Number: GE HO270 SPEC 21A5482 Function/Service: RELIEF VALVE FOR	Chemical Spray	DEMIN WATER		
REACTOR PRESSURE VESSEL	Radiation (Rad)	< 1.0 EO4		
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL ON	Aging	150 F 2.3 EOG RADS		
B MAIN STEAM LINE Elevation 615' O"	Submergence	. NA		
Flood Level Elevation: 583'0"	L	G-0858-03		

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COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation:
Above Flood Level:
Yes: No

ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	12 DAYS		REF.			SEE NOTE
Temperature (°F)	334		REF.			SEE NOTE
Pressure (PSIA)	63.0		REF.			SEE NOTE
Relative Humidity (%)	100		REF.			SEE NOTE
Chemical Spray	DEMIN WATER		REF.			SEE NOTE
Radiation (Rad)	8.5 EO7		REF.		TYPE TEST	SEE NOTE
Aging	150 F		REF.			SEE NOTE
Submergence	NA .	NA	NA	NA	,	
	Operating Time Temperature (°F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time 12 DAYS Temperature (°F) 334 Pressure (PSIA) 63.0 Relative Humidity (%) 100 Chemical Spray DEMIN WATER Radiation (Rad) 8.5 E07 Aging 150 F 1.1 E06 RADS Submergence NA	Parameter Specification Qualification Operating Time 12 DAYS Temperature (*F) 334 Pressure (PSIA) 63.0 Relative Humidity (%) 100 Chemical Spray DEMIN WATER Radiation (Rad) 8.5 E07 Aging 150 F 1.1 E06 RADS Submergence NA NA	Parameter Specification Qualification Spec. Operating Time 12 DAYS REF. (A) Temperature (°F) 334 REF. (B) Pressure (PSIA) 63.0 REF. (A) Relative Humidity (%) 100 REF. (A) Chemical Spray DEMIN WATER REF. (C) Radiation (Rad) 8.5 E07 REF. (D) Aging 150 F REF. (E) 1.1 E06 RADS NA NA	Parameter Specification Qualification Spec. Qual. Operating Time 12 DAYS REF. (A) REF. (A) Temperature (r) 334 REF. (B) REF. (B) Pressure (PSIA) 63.0 REF. (A) REF. (A) Relative Humidity (%) 100 REF. (A) REF. (C) Chemical Spray DEMIN WATER REF. (C) REF. (C) Radiation (Rad) 8.5 E07 REF. (D) REF. (E) Aging 150 F REF. (E) (E) Submergence NA NA NA NA	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURE 5.2.17 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR SECTION 6.2.4.2.2 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. 1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQUIPMENT BY ANALYSIS AND/OR TESTING, OTHERWISE THE EQUIPMENT OR PARTS WILL WILL BE REPLACED WITH QUALIFIED COMPONENTS. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE

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QUAD CITIES SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED BECAUSE -SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED FOR ENVIRONMENTAL CONDITIONS.
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Component Sheet No. 66 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

FOURTHIE DESCRIPTION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-261-60A Component: SENSOR- ACOUSTIC	Temperature (°F)	334	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	63.0	
Model Number: 781 B	Relative Humidity (%)	100	
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	DEMIN WATER	
INDICATION	Radiation (Rad)	8.5 EO7	
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL	Aging	150 F 1.1 EO6 RADS	
NEAR SRV 2-203-3A Elevation 615' O"	Submergence	NA NA	
Flood Level Elevation: 583' O" Above Flood Level: Yes: X No:	<u> </u>		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-261-60B Component: SENSOR- ACOUSTIC	Temperature (°F)	334	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	63.0	
Model Number: 781 B Purchase Order Number:	Relative Humidity (%)	100	
238800 Function/Service: SRV POSITION	Chemical Spray	DEMIN WATER	
INDICATION	Radiation (Rad)	8.5 EO7	
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL	Aging	150 F 1.1 EOG RADS	
NEAR SRV 2-203-3B Elevation 615' O"	Submergence		
Flood Level Elevation: 583' O"	1	G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: χ No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
ECOTPMENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-261-60C Component: SENSOR- ACOUSTIC	Temperature (°F)	334	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	63.0	
Model Number: 781 B	Relative Humidity (%)	100	
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	DEMIN WATER	
INDICATION	Radiation (Rad)	8.5 E07	
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL	Aging	150 F 1.1 EOG RADS	
NEAR SRV 2-203-3C Elevation 615' O"	Submergence	20000	
Flood Level Elevation: 583′ O" Above Flood Level: Yes: X No:	L		

	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-261-60D Component: SENSOR- ACOUSTIC	Temperature (°F)	334	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	63.0	
Model Number: 781 B Purchase Order Number:	Relative Humidity (%)	100	
238800 Function/Service: SRV POSITION	Chemical Spray	DEMIN WATER	
INDICATION	Radiation (Rad)	8.5 EO7	
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL	Aging	150 F 1.1 EO6 RADS	
NEAR SRV 2-203-3D Elevation 615' O"	Submergence		
Flood Level *Elevation: 583' O"		G-0858-03	

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· Above Flood Level:

Yes: X No:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation:

Yes:

Above Flood Level:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUGIFINENT DESCRIPTION	Parameter	Specification
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS
Plant 1.D. Number: 1-261-60E Component: SENSOR- ACOUSTIC	Temperature (°F)	334
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	63.0
Model Number: 781 B	Relative Humidity (%)	100
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	DEMIN WATER
INDICATION	Radiation (Rad)	8.5 EO7
Accuracy: Spec: NA Demo: NA Location INSIDE DRYWELL	Aging	150 F 1.1 EO6 RADS
NEAR SRV 2-203-3E Elevation 615' O"	Submergence	
Flood Level Elevation: 583' O"		

FOUIDMENT DECORIETION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System:	Operating Time		
Plant I.D. Number:	Temperature		
Component:	(°F)		
Manufacturer:	Pressure (PSIA)		
Model Number:	Relative Humidity (%)	······································	
Purchase Order Number:			
Function/Service:	Chemical Spray		
	Radiation (Rad)		
Accuracy: Spec: Demo:	Aging		
Elevation	Submergence		
Flood Level	-	G-0858-03	

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
Eddirivent Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	NOT REQD	REF.	REF.		SEE NOTE
Plant i.D. Number: 1-262-61A THRU E Component: PREAMPLIFIER ACOUSTIC	Temperature (°F)	104	NOT REQD	REF.	REF.	•	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	14.7	NOT REQD	REF.	REF.		
Model Number: 400 A Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	REF.	REF.		
238800 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
•	Radiation (Rad)	3.2 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD	REF.	REF. (F)		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level							

. DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURE 5.2.17 AND 5.2.18 B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. CECO WILL HAVE A QUALIFIED RELIEF AND SAFETY VALVE POSITION DETECTION SYSTEM AT QUAD CITIES UNIT 1 IN OPERATION BEFORE THE REFUELING OUTAGE SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS-

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QUÁD CITIES

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	A. THESE COMPONENTS OR SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED FOR ENVIRONMENTAL CONDITIONS.
·	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

Date: 05-01-83

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COMMONWEALTH EDISON

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OUTSIDE DRYWELL

Elevation: NA
Above Flood Level:

No:

Yes:

IN R.B.

Elevation 615' O"

ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating AUTO DEPRESSURIZATION 12 DAYS Time MAIN STEAM Plant I.D. Number: Temperature 1-262-61A 104 (°F) Component: PREAMPLIFIER ACOUSTIC MONITOR Pressure Manufacturer: 14.7 (PSIA) NDT INSTRUMENTS Model Number: Relative 400 A 100 Humidity (%) Purchase Order Number: 238800 Chemical NΑ Spray Function/Service: SRV POSITION INDICATION Radiation 3.2 EO5 (Rad) Accuracy: Spec: NA Aging NΑ Demo: NΑ Location

Submergence

NA

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTPWENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-262-61B Component: PREAMPLIFIER ACOUSTIC	Temperature (°F)	104	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	14.7	
Model Number: 400 Å	Relative Humidity (%)	100	
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	NA	
INDICATION	Radiation (Rad)	3.2 EO5	
Accuracy: Spec: NA Demo: NA Location OUTSIDE DRYWELL	Aging	NA	
IN R.B. Elevation 615′O"	Submergence	NA	
Flood Level		G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

Date: 05-01-83

Owner: QUAD CITIES

Flood Level Elevation: NA

Yes:

Above Flood Level:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddi Melli Beggiii Troit	Parameter	Specification		
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS		
Plant I.D. Number: 1-262-61C Component: PREAMPLIFIER ACOUSTIC	Temperature (°F)	104		
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	14.7		
Model Number: 400 A	Relative Humidity (%)	100		
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	NA		
INDICATION	Radiation (Rad)	3.2 EO5		
Accuracy: Spec: NA Demo: NA Location OUTSIDE DRYWELL	Aging	NA		
IN R.B. Elevation 615′O"	Submergence	NA		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTEWENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-262-61D Component: PREAMPLIFIER ACOUSTIC	Temperature (°F)	104	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	14.7	
Model Number: 400 A	Relative Humidity (%)	100	
Purchase Order Number: 238800 Function/Service: SRV POSITION	Chemical Spray	NA	
INDICATION	Radiation (Rad)	3.2 EO5	
Accuracy: Spec: NA Demo: NA Location . OUTSIDE DRYWELL	Aging	NA	
IN R.B. Elevation 615' O"	Submergence	NA	
Flood Level Elevation: NA	<u> </u>	G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET QUAD CITIES

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddi WENT DESCRIPTION	Parameter	Specification	
System: AUTO DEPRESSURIZATION MAIN STEAM	Operating Time	12 DAYS	
Plant I.D. Number: 1-262-61E Component: PREAMPLIFIER ACOUSTIC	Temperature (^F)	104	
MONITOR Manufacturer: NDT INSTRUMENTS	Pressure (PSIA)	14.7	
Model Number: 400 A	Relative Humpidity (%)	100	
Purchase Order Number: 238800 Function/Service: SRV POSITION INDICATION	Chemical Spray	NA	
	Radiation (Rad)	3.2 EO5	
Accuracy: Spec: NA Demo: NA Location OUTSIDE DRYWELL	Aging	NA	
IN R.B. Elevation 615' O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

FOUNDATION DESCRIPTION	ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification		
System:	Operating Time			
Plant I.D. Number: Component:	Temperature (*F)			
Manufacturer:	Pressure (PSIA)	·-····································		
Model Number:	Relative Humidity (%)			
Purchase Order Number:				
Function/Service:	Chemical Spray			
	Radiation (Rad)			
Accuracy: Spec: Demo: Location	Aging			
Elevation	Submergence			
Flood Level Elevation:	<u> </u>	G-0858-03		

Above Flood Level: Yes:

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Above Flood Level: Yes:

	ENVIRONMENT	1	DOCUMENTATION REFERENCES		QUALIFICATION METHOD	OUTSTANDING ITEMS
Parameter -	Specification	Qualification Spec.	Qual.			
Operating Time	CONTINUOUS	NOT REQD	NA	REF.		
Temperature (°F)	114	NOT REQD.	REF.	REF.		
Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	1.5 EO6	2.75 EO6	REF.	REF.	TYPE TEST	
Aging	NA	NOT REQD.	REF.	REF.		
Submergence	NA	NA	NA NA	NA	-	
	Operating Time Temperature (°F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time CONTINUOUS Temperature (°F) 114 Pressure (PSIA) 14.7 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 1.5 E06 Aging NA	Parameter Specification Qualification Operating Time CONTINUOUS NOT REQD. Temperature (*F) 114 NOT REQD. Pressure (PSIA) 14.7 NOT REQD. Relative Humidity (%) 100 NOT REQD. Chemical Spray NA NA NA Radiation (Rad) 1.5 EO6 2.75 EO6 Aging NA NOT REQD.	Parameter Specification Qualification Spec. Operating Time CONTINUOUS NOT REQD. Temperature ('F) 114 NOT REF. (B) Pressure (PSIA) 14.7 NOT REF. (C) Relative Humidity (%) 100 NOT REGD. (C) Chemical Spray NA NA NA NA Radiation (Rad) 1.5 EO6 2.75 EO6 REF. (D) Aging NA NOT REF. (F) Submergence	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NOT REQD. NA REF. (A) Temperature (°F) 114 NOT REQD. REF. (B) REF. (A) Pressure (PSIA) 14.7 NOT REGD. REF. (C) REF. (C) Relative Humidity (%) 100 NOT REQD. REF. (C) REF. (C) Chemical Spray NA NA NA NA Radiation (Rad) 1.5 EO6 2.75 EO6 REF. (D) REF. (D) Aging NA NOT REQD. REF. (F) REF. (F) Submergence Submergence REF. (F) REF. (F)	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

' EQUIPMENT DESCRIPTION	ENVIRONMENT		
	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: FT-1-1042A Component: FLOW TRANSMITTER	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number:	Relative Humidity (%)	100	
GE H0950 Function/Service: PUMP DISCHARGE FLOW	Chemical Spray	· NA	
TRANSMITTER	Radiation (Rad)	1.5 EO6	
Accuracy: Spec: NA Demo: NA Location RACK 2201-59A	Aging	NA	
NORTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddit Well Bedom 110N	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: FT-1-1042B Component: FLOW TRANSMITTER	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number:	Relative Humidity (%)	100	
GE H0950 Function/Service: PUMP DISCHARGE FLOW TRANSMITTER	Chemical Spray	NA	
	Radiation (Rad)	4.0 E05	
Accuracy: Spec: NA Demo: NA Location RACK 2201-59B	Aging	NA	
SOUTHEAST CORNER ROOM Elevation 554'0"	Submergence	NA .	
Flood Level Elevation: NA		G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
ECON MENT BESCHIT FION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: FT-1-1049A Component: FLOW TRANSMITTER	Temperature (°F)	114		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number: GE HO95O Function/Service: RHR FLOW OUTPUT TRANSMITTER	Relative Humidity (%)	100		
	Chemical Spray	NA		
	Radiation (Rad)	1.5 EO6		
Accuracy: Spec: NA Demo: NA Location RACK 2201–59A	Aging	NA		
NORTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

EQUIPMENT DESCRIPTION	ENVIRONMENT			
ECOTPMENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: FT-1-1049B Component: FLOW TRANSMITTER	Temperature (°F)	114		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number: GE H0950 Function/Service: RHR FLOW OUTPUT	Relative Humidity (%)	100		
	Chemical Spray	NA		
TRANSMITTER	Radiation (Rad)	4.0 EO5		
Accuracy: Spec: NA Demo: NA Location RACK 2201–59B	Aging	NA .		
SOUTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFMENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: FT-1-1051A Component: FLOW TRANSMITTER	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number:	Relative Humidity (%)	100	
GE NO831 Function/Service: CONTAINMENT SPRAY	Chemical Spray	NA .	
FLOW OUTPUT TRANSMITTER	Radiation (Rad)	1.5 EO6	
Accuracy: Spec: NA Demo: NA Location RACK 2201-59A	Aging	NA	
NORTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

COMPAGNIT PROPRIETION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: FT - 1 - 1051B Component: FLOW TRANSMITTER	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: GE/MAC 553 553112CAAJ2 Purchase Order Number:	Relative Humidity (%)	100
GE NO831 Function/Service: CONTAINMENT SPRAY	Chemical Spray	. NA
FLOW TRANSMITTER	Radiation (Rad)	4.0 E05
Accuracy: Spec: NA Demo: NA Location RACK 2201-59B	Aging	NA .
SOUTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA NA
Flood Level Elevation: NA		G-0858-03

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Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.				
Plant I.D. Number: DPIS-1-1001-81A&B Component: DIFFERENTIAL PRESSURE	Temperature (°F)	114	NOT REQD	REF.	REF.				
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	14.7	NOT REQD	REF.	REF.				
Model Number: 289 	Relative Humidity (%)	100	NOT REQD	REF.	REF.				
SPEC 730E761 function/Service: SEE ATTACHED SHEETS	Chemical Spray	. NA	NA	NA	NA				
	Radiation (Rad)	1.5 EO6		REF.			SEE NOTE		
Accuracy: Spec: Demo: .ocation: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.				
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA				

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO THE PARAMETERS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- THIS SWITCH OPENS/CLOSES THE MINIMUM FLOW

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	LINE. FAILURE OF THIS SWITCH CAN BE OVERRIDDEN BY OPERATOR ACTION, AND THEREFORE, WILL NOT ADVERSELY AFFECT SAFETY.
	·

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUGIFMENT DESCRIPTION	Parameter .	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: DPIS-1-1001-81A Component: DIFFERENTIAL PRESSURE	Temperature (°F)	114
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	14.7
Model Number: 289	Relative Humidity (%)	100
Purchase Order Number: SPEC. 730E761 Function/Service: SENSES RHR PUMP	Chemical Spray	NA
MINIMUM FLOW, CONTACT OPENS WHEN FLOW IS GREATER THAN LOW FLOW SET POINT	(Rad)	1.5 EO6
Accuracy: Spec: NA Demo: NA Location RACK 2201-59A	Aging .	NA
NORTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:	<u></u>	·

FOURNISHE PEROPUTATION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: DPIS-1001-81B Component: DIFFERENTIAL PRESSURE	Temperature (°F)	114
INDICATING SWITCH Manufacturer: BARTON	Pressure (PSIA)	14.7
Model Number: 289	Relative Humidity (%)	100
Purchase Order Number: SPEC 730E761 Function/Service: SENSES RHR PUMP	Chemical Spray	NA
MINIMUM FLOW, CONTACT OPENS WHEN FLOW IS GREATER THAN LOW FLOW SET POINT	(Rad)	4.0 E05
Accuracy: Spec: NA Demo: NA Location RACK 2201-59B	Aging	NA
SOUTHEAST CORNER ROOM Elevation 5 554'O"	Submergence	NA
Flood Level Elevation: NA		. G-0858-03

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COMMONWEALTH EDISON

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Elevation:
Above Flood Level:
Yes: No

FOLUDMENT DECORPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		DOCUMENTATION REFERENCES		QUALIFICATION	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD			
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.				
Plant I.D. Number: DPS-1-1001-78A,B Component: DIFFERENTIAL PRESSURE	Temperature (°F)	114	NOT REQD.	REF.	REF.				
SWITCH Manufacturer: BARTON	Pressure (PSIA)	14.7	NOT REQD .	REF.	REF.				
Model Number: 288 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.				
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA				
	Radiation (Rad)	1.3 EO6		REF.			SEE NOTE		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.				
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA				

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO THE PARAMETERS LISTED ARE BEING PROCURED AND WILL BE INSTAL- LED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON-

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THESE COMPONENTS ARE REQUIRED TO ESTABLISH RHR FLOW AND PROVIDE AUTOMATIC FLOW CONTROL. IN THE EVENT OF FAILURE OF THIS COMPONENT, THE OPERATOR COULD MANUALLY CONTROL RHR FLOW. THEREFORE, THERE ARE NO ADVERSE AFFECTS RESULTING FROM FAILURE OF THESE COMPONENTS.
	•

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Facility:

Elevation

554'0"

Flood Level

Yes:

Elevation: NA

Above Flood Level:

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ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating RESIDUAL HEAT REMOVAL CONTINUOUS Time Plant I.D. Number: Temperature DPS-1-1001-78A 114 (°F) Component: DIFFERENTIAL PRESSURE SWITCH Pressure 14.7 Manufacturer: (PSIA) BARTON Model Number: Relative 288 100 Humidity (%) Purchase Order Number: Chemical NΑ Spray Function/Service: RHR HEAT EXCHANGER A DIFFERENTIAL Radiation PRESSURE 1.3 E06 (Rad) Accuracy: Spec: NA Aging NA NΑ Demo: Location NE CORNER ROOM Submergence

NA

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: DPS-1-1001-78B Component: DIFFERENTIAL PRESSURE	Temperature (°F)	114
SWITCH Manufacturer: BARTON	Pressure (PSIA)	14.7
Model Number: 288	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA
B DIFFERENTIAL PRESSURE	Radiation (Rad)	1.3 EO6
Accuracy: Spec: NA Demo: NA Location NE CORNER ROOM	Aging	NA
Elevation 554 'O"	Submergence	NA
Flood Level		C-0858-03

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT			QUALIFICATION	OUTSTANDING	
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: LS-1-4941-2A,B,C Component: LEVEL SWITCH (HIGH)	Temperature (°F)	120	NOT REQD.	REF.	REF.		
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 249C-X-EP-SIMD4DC Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	REF.	REF.		
FIELD Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA	NA	NA		
	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA .	NA ·	NA		
Flood Level	L		J		<u>i</u>	<u>i</u>	L

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	

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Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUGIFIMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: LS-1-4941-2A Component: LEVEL SWITCH (HIGH)	Temperature (°F)	120
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7
Model Number: 249C-X-EP-SIMD4DC Purchase Order Number:	Relative Humidity (%)	100
FIELD Function/Service: TURBINE BUILDING	Chemical Spray	NA
EQUIPMENT DRAIN FLOOD PROTECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA
PUMP A ROOM Elevation 558' 6"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

EQUIPMENT DESCRIPTION		ENVIRONMENT		
ECOTPMENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: LS-1-4941-2B Component: LEVEL SWITCH (HIGH)	Temperature (°F)	120		
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7		
Model Number: 249C-X-EP-SIMD4DC	Relative Humidity (%)	100		
Purchase Order Number: FIELD Function/Service: TURBINE BUILDING	Chemical Spray	NA		
EQUIPMENT DRAIN FLOOD PROTECTION	Radiation (Rad)	<1.0 E04		
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA		
PUMP B/C ROOM Elevation 558' 6"	Submergence	NA		
Flood Level	 	G-0858-03		

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Facility: Unit:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
Eddi MENT BESCHITTON	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: LS-1-4941-2C Component: LEVEL SWITCH (HIGH)	Temperature (°F)	120
Manufacturer: MAGNETROL	Pressure (PSIA)	14.7
Model Number: 249C-X-EP-SIMD4DC	Relative Humidity (%)	100
Purchase Order Number: FIELD Function/Service: TURBINE BUILDING EQUIPMENT DRAIN FLOOD PROTECTION Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Chemical Spray	NA
	Radiation (Rad)	<1.0 EO4
	Aging	NA
PUMP D ROOM Elevation 558' 6"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

FOLUDIATAL PERCENTION	[]	ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification			
System:	Operating Time				
Plant I.D. Number: Component:	Temperature (°F)				
Manufacturer:	Pressure (PSIA)				
Model Number:	Relative Humidity (%)	<u> </u>			
Purchase Order Number: Function/Service:	Chemical Spray				
	Radiation (Rad)				
Accuracy: Spec: Demo: Location	Aging				
Elevation	Submergence				
Flood Level		G-0858-03			

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Facility:

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT DOCUMENTATION REFERE		ON REFERENCES	QUALIFICATION OUTS			
Edon MENT BESCHIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD ITEM	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant 1.D. Number: MO-1-1001-16A&B Component: MOTOR-OPERATED	Temperature (°F)	114	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	:
Model Number: TYPE SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical 'Spray	NA	NA .	NA	NA		
	Radiation (Rad)	2.3 EO6	.2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	·					1	

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-BOOO3 QUALIFICATION TYPE TEST REPORT-LIMTORQUE VALVE ACTUATORS FOR CLASS IE SERVICE OUTSIDE PRIMARY CONTAINMENT. B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	

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Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGOTEMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 'MO-1-1001-16A Component: MOTOR-OPERATED	Temperature (°F)	114
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-2-40	Relative Humidity (%)	. 100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: HEAT EXCHANGER	Chemical Spray	NA
BY-PASS VALVE	Radiation (Rad)	2.3 EO6
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NA
Elevation 565'0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGGIFWENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: MD-1-1001-16B Component: MOTOR-DPERATED	Temperature (°F)	114	
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	
Model Number: TYPE SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100	
3620-125 SPEC. R-2358 Function/Service: HEAT EXCHANGER	Chemical Spray	NA	
BYPASS VALVE	Radiation (Rad)	2.3 EO6	
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA	
Elevation 572'0"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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*Facility: Unit:

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
EGOTFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-18A&B Component: MOTOR-OPERATED	Temperature (°F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-000-5 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.9 EO7	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	311 F FOR 100 HRS	REF. (F)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L				<u> </u>		·

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGGIT MENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: MO-1-1001-18A Component: MOTOR-OPERATED	Temperature (°F)	135	
GATE VALVE Manufacturer: LIMITURQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	
Model Number: TYPE SMB-000-5	Relative Humidity (%)	100	
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: RHR MINIMUM FLOW RECIRCULATION VALVE Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Chemical Spray	. NA	
	Radiation (Rad)	3.9 EO7	
	Aging	NA NA	
Elevation 580'-0"	Submergence	NA .	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-18B Component: MOTOR-OPERATED	Temperature (°F)	135
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-000-5	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: RHR MINIMUM FLOW	Chemical Spray	NA
RECIRCULATION VALVE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 587'-0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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> Flood Level Elevation: Above Flood Level: Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES ENVIRONMENT OUTSTANDING QUALIFICATION EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: E Operating RESIDUAL HEAT REMOVAL CONTINUOUS 16 DAYS NA SIMULTANEOUS REF. Time (A) TEST Plant I.D. Number: Temperature MO-1-1001-185A.B 114 250 REF. REF. SIMULTANEOUS Component: (B) (A) TEST MOTOR OPERATED GATE VALVE Pressure Manufacturer 14.7 39.7 REF. REF. SIMULTANEOUS (PSIA) LIMITORQUE (RELIANCE) (C) (A) TEST AC MOTOR Model Number: Relative SMB - 1 100 100 REF. REF. SIMULTANEOUS Humidity (%) (C) (A) TEST Purchase Order Number: Chemical NA NA NΑ NA Spray Function/Service: SEE ATTACHED SHEETS Radiation 1.3 EO6 2.0 E07 REF. REF. SEQUENTIAL (Rad) (D) (A) TEST Accuracy: Spec: Aging Demo: NA 165 F REF. REF. SEQUENTIAL Location: FOR (E) (A) TEST SEE ATTACHED SHEETS 199.8 HOURS Submergence Elevation: NΑ NA NA NA SEE ATTACHED SHEETS

DOCUMENTATION REFERENCES	NOTES	
A. REPORT NO 600461-B0003, QUALIFICATION TYPE TEST REPORT LIMITORQUE VALVE ACTUATORS FOR CLASS IE SERVICE OUTSIDE PRIMARY CONTAINMENT. B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3		

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

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Flood Level

Yes:

Elevation: NA

Above Flood Level:

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ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating RESIDUAL HEAT REMOVAL CONTINUOUS Time Plant I.D. Number: Temperature MO-1-1001-185A 114 (°F) Component: MOTOR OPERATED GATE VALVE Pressure 14.7 Manufacturer: (PSIA) LIMITORQUE (RELIANCE) AC MOTOR Model Number: Relative SMB - 1 100 Humidity (%) Purchase Order Number: Chemical NA Spray Function/Service: RHR HEAT EXCHANGER A SERVICE WATER Radiation OUTLET SHUTOFF VALVE 1.3 E06 (Rad) Accuracy: Spec: NΑ Aging Demo: NA NA Location NE CORNER ROOM Submergence Elevation NA 580'0"

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO~1-1001-185B Component: MOTOR OPERATED	Temperature (°F)	114
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB - 1	Relative Humidity (%)	100
Purchase Order Number: Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA
B SERVICE WATER OUTLET SHUTOFF VALVE	Radiation (Rad)	1.3 EO6
Accuracy: Spec: NA Demo: NA Location SE CORNER ROOM	Aging	NA
Elevation 580'0"	Submergence	NA
Flood Level		G-0858-03

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Owner: QUAD CITIES

Elevation: Above Flood Level: Yes:

No:

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Facility: Unit:

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EQUIPMENT DESCRIPTION		ENVIRONMENT	•	DOCUMENTAT	ON REFERENCES	QUALIFICATION	OUTSTANDING
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-19A&B Component: MOTOR-OPERATED	Temperature (^F)	114	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB - 1 - 40 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.5 EO6	2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF. (E)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L			<u>l</u>	1	<u> </u>	'

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-BOOO3, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J.R. DRAB TO J. HINK DATED MAY 19, 1981. B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	

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Above Flood Level:

Yes:

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QUAD CITIES SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-19A Component: MOTOR-OPERATED	Temperature (*F)	114
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB - 1 - 40	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: EQUALIZING HEADER	Chemical Spray	NA
VALVE	Radiation (Rad)	1.5 EO6
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NA
Elevation 588'-0"	Submergence	NA
Flood Level Elevation: NA	t	

		· · · · · · · · · · · · · · · · · · ·
EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant 1.D. Number: MO - 1 - 1001 - 19B Component: MOTOR - OPERATED	Temperature (°F)	114
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB - 1 - 40	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: EQUALIZING HEADER	Chemical Spray	NA
VALVE	Radiation (Rad)	1.5 EO6
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA
Elevation 578′-6"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

Above Flood Level:

No:

Yes:

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QUAD CITIES

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> Flood Level Elevation: NA Above Flood Level: Yes:

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FOURMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	25 SECONDS	NOT REQD.	REF.	REF.	•	
Plant I.D. Number: MO - 1 - 1001 - 21 Component: MOTOR - OPERATED	Temperature (^F)	114	NOT REQD.	REF.	REF.	1 77	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Mode! Number: SMB-000-5 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD	RÈF.	REF.		
Function/Service: RHR DISCHARGE TO	Chemical Spray	NA ·	NA	NA	NA		
RADWASTE	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Accuracy: Spec: NA Demo: NA Location: SE CORNER ROOM	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: 557'0"	Submergence	NA .	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 10.10 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	•

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Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING	
EGOTFWIENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-23A&B Component: MOTOR-OPERATED	Temperature (°F)	104	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF. (B)	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-0-15 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.0 E06	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L		 		<u> </u>	l	<u> </u>

DOCUMENTATION REFERENCES	NOTES	
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS BEEN DETERMINED TO BE NOT REQUIRED. THE DISCONNECTION OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984.	

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E. THIS REPORT SECTION 4.3.6	
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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGGIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: M0-1-1001-23A Component: M0T0R-0PERATED	Temperature ("F)	104
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-O-15 Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: CONTAINMENT SPRAY	Relative Humidity (%)	100
	Chemical Spray	NA
HEADER VALVE	Radiation (Rad)	1.0 EO6
Accuracy: Spec: NA Demo: NA Location 9'-1" SOUTH COLUMN 15	Aging	NA
5'-6" WEST COLUMN M Elevation 597'-6"	Submergence	NA NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EddirMeNT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MD-1-1001-23B Component: MOTOR-OPERATED	Temperature (°F)	104
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC' MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-0-15 Purchase Order Number:	Relative Humidity (%)	100
3620-125 SPEC. R-2358 Function/Service: CONTAINMENT SPRAY	Chemical Spray	NA
HEADER VALVE	Radiation (Rad)	9.6 EO5
Accuracy: Spec: NA Demo: NA Location REACTOR BUILDING	Aging	NA
Elevation 623'-0"	Submergence	NA
Flood Level Elevation: NA	·	G-0858-03

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Facility:

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Unit: 1 Docket No: 50-254

Elevation:
Above Flood Level:
Yes: No

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Edon MENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	. NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-26A&B Component: MOTOR-OPERATED	Temperature (^F)	104	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-1 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.0 E06	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	:
Elevation: SEE ATTACHED SHEETS	Submergence	NA .	NA	NA	NA .		

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS BEEN DETERMINED TO BE NOT REQUIRED. THE DISCONNECTION OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984.

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT			
• EUDIPMENT DESCRIPTION	Parameter	Specification			
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS			
Plant I.D. Number: MO-1-1001-26A Component: MOTOR-OPERATED	Temperature (^F)	104			
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7			
Model Number: TYPE SMB-1 Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: CONTAINMENT SPRAY	Relative Humidity (%)	100			
	Chemical Spray	NA 4			
HEADER VALVE	Radiation (Rad)	1.0 EO6			
Accuracy: Spec: NA Demo: NA Location 15'-0" N. COLUMN 16	Aging	NA			
5'-6" WEST COLUMN M Elevation 604'-6"	Submergence	NA			
Flood Level Elevation: NA Above Flood Level: Yes: No:					

EQUIPMENT DESCRIPTION		ENVIRONMENT
Edon MENT BESONT FION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: M0 - 1 - 1001 - 26B Component: M0TOR - OPERATED	Temperature	104
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-1	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: CONTAINMENT SPRAY	Chemical Spray	NA
HEADER VALVE	Radiation (Rad)	9.6 E05
Accuracy: Spec: NA Demo: NA Location	Aging	NA
REACTOR BUILDING		
Elevation 626′-0"	Submergence	NA
Flood Level	L	G-0858-03

G-0858-03

Revision 2

Date 05-01-83

Owner: CC

COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

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Docket No: 50-254

Elevation:
Above Flood Level:
Yes: No

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
II	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO~1-1001-28A&B Component: MOTOR-OPERATED	Temperature (^F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-5-400 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.9 EO7	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level					J	ł	1.

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT - LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THE SOURCE TERMS UTILIZED AS A BASIS FOR

Component Sheet No. 104 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)			
	RADIATION DOSE CALCULATIONS ARE EXTREMELY CONSERVATIVE. AS A RESULT, THE CALCULATED DOSES TO THESE VALVES ARE CONSERVATIVE BOUNDING VALUES WHICH ARE NOT EXPECTED TO BE REACHED DURING A REALISTIC ACCIDENT. B. THESE COMPONENTS UNDERGO FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE-RELATED DEGRADATION. C. OTHER EQUIPMENT SIMILAR IN DESIGN TO THIS EQUIPMENT HAS SUCCESSFULLY BEEN QUALIFIED FOR ENVIRONMENTS IN EXCESS OF THE CALCULATED REQUIREMENT FOR THIS EQUIPMENT.			
•				

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Date: 05-01-83

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COMMONWEALTH EDISON

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Above Flood Level:

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTPWENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO - 1 - 1001 - 28A Component: MOTOR - OPERATED	Temperature (°F)	135
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-5-400 Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: RECIRCULATION	Relative Humidity (%)	100
	Chemical Spray	NA
INJECTION VALVE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 580'-3"	Submergence	NA
Flood Level Elevation: NA		

	,	
EQUIPMENT DESCRIPTION		ENVIRONMENT
EGGN MENT BEGONN FION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: M0 - 1 - 1001 - 28B Component: M0T0R - 0PERATED	Temperature (°F)	135
GLOBE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-5-400	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: RECIRCULATION	Chemical Spray	NA
INJECTION VALVE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 580'-3"	Submergence	NA
Flood Level	L	0.005003

G-0858-03

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit:

Docket No: 50-254

Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
l l	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO - 1 - 1001 - 29A&B Component: MOTOR - OPERATED	Temperature (°F)	135	250 F	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-3~100 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA ·	NA	NA .	NA		
	Radiation (Rad)	3.9 EO7	2.0 E08	REF.	REF. (E)	INDIVIDUAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	311F FOR 100 HRS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	<u> </u>				1	<u> </u>	1

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS BEEN DETERMINED TO BE NOT REQUIRED. THE DISCONNECTION OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY, 1984.

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Date: 05-01-83

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Owner: Facility: Unit:

it: 1

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. REPORT NO. WCAP-7410-L TEST ON LIMITORQUE VALVE MOTOR OPERATORS, SECTION 5. F. NEDO REPORT 24217, TABLE 4-3	

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COMMONWEALTH EDISON

Owner: Facility: Unit:

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QUAD CITIES

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Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA
Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOIFMENT DESCRIFTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MO-1-1001-29A Component: MOTOR-OPERATED	Temperature (°F)	135		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Prossure (PSIA)	14.7		
Model Number: TYPE SMB-3-100 Purchase Order Number:	Relative Humidity (%)	100		
3620-125 SPEC. R-2358 Function/Service: LPCI INJECTION VALVE	Chemical Spray	NA		
	Radiation (Rad)	3.9 EO7		
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA :		
NEAR PEN X-13A Elevation 591'-5"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level:				

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTFWENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MD-1-1001-29B Component: MOTOR-OPERATED	Temperature (°F)	135		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: TYPE SMB-3-100 Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: LPCI INJECTION VALVE	Relativė Humidity (%)	100		
	Chemical Spray	NA NA		
	Radiation (Rad)	3.9 E07		
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	• NA		
NEAR PEN X-13B Elevation 591'-5"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTEMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO~1-1001-34A&B Component: MOTOR-OPERATED	Temperature (°F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-1-40 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.9 EO7	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA	:	

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT - LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THE SOURCE TERMS UTILIZED AS A BASIS FOR

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Owner:

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Facility: Unit:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	RADIATION DOSE CALCULATIONS ARE EXTREMELY CONSERVATIVE. AS A RESULT, THE CALCULATED DOSES TO THESE VALVES ARE CONSERVATIVE BOUNDING VALUES WHICH ARE NOT EXPECTED TO BE REACHED DURING A REALISTIC ACCIDENT. B. THESE COMPONENTS UNDERGO FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE-RELATED DEGRADATION. C. OTHER EQUIPMENT SIMILAR IN DESIGN TO THIS EQUIPMENT HAS SUCCESSFULLY BEEN QUALIFIED FOR ENVIRONMENTS IN EXCESS OF THE CALCULATED REQUIREMENT FOR THIS EQUIPMENT.

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Date: 05-01-83

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: No:

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EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFMENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time .	CONTINUOUS	
Plant I.D. Number: MD - 1 - 1001 - 34A Component: MOTOR - OPERATED	Temperature (°F)	135	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	
Model Number: TYPE SMB-1-40	Relative Humidity (%)	100	
Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: TORUS SPRAY SHUT OFF	Chemical Spray	NA	
VALVE	Radiation (Rad)	3.9 EO7	
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA	
Elevation 586'-6"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

FOUNDATINE DESCRIPTION		ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMO	VAL Operating · Time	CONTINUOUS		
Plant I.D. Number: MO-1-1001-34B Component: MOTOR-OPERATED	Temperature (°F)	135		
GATE VALVE Manufacturer: LIMITORQUE (RELIAN AC MOTOR	Pressure (PSIA)	14.7		
Model Number: TYPE SMB-1-40 Purchase Order Number:	Relative Humidity (%)	100		
3620-125 SPEC. R-2358 Function/Service: TORUS SPRAY SHUT O	Chemical Spray	NA		
VALVÉ	Radiation (Rad)	3.9 E07		
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	11 / 41114	NA		
Elevation 581'-3"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
EdotPivient Description	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	. 16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-36A&B Component: MOTOR-OPERATED	Temperature (°F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-3-60 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA	NA	NA		
·	Radiation (Rad)	3.9 EO7	2.0 EO8	REF.	REF. (E)	INDIVIDUAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA NA	311F FOR 100 HOURS	REF. (F)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. THIS REPORT SECTION 4.3.1	
C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. REPORT NO. WCAP 7410-L TEST ON LIMITORQUE VALVE MOTOR OPERATORS. F. NEDO REPORT 24217, TABLE 4-3	
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COMMONWEALTH EDISON

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
Lash Men Begonii 1101	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-36A Component: MOTOR-OPERATED	Temperature (°F)	135
GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB-3-60	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: TORUS SHUTOFF VALVE	Chemical Spray	NA
CONTAINMENT SPRAY LINE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA .
Elevation 580'-3"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
- Edula MENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant 1.D. Number: MO-1-1001-36B Component: MOTOR-OPERATED	Temperature (°F)	135
GLOBE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PS1A)	14.7
Model Number: SMB-3-60 Purchase Order Number:	Relative Humidity (%)	100
3620-125 SPEC R-2358 Function/Service: TORUS SHUTOFF VALVE	Chemical Spray	NA
CONTAINMENT SPRAY LINE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 591'-3"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Owner:

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Facility: Unit:

> Elevation: Above Flood Level: Yes:

No:

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EQUIPMENT DESCRIPTION	1	ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
Eddirinent Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO - 1 - 1001 - 37A&B Component: MOTOR - OPERATED	Temperature (°F)	135	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE(PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-O-10 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.9 EO7	2.0 E08	REF.	REF.	INDIVIDUAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA 4	311 F FPR 100 HRS	REF. (F)	REF. (E)	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L		<u> </u>		J	·	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	,

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. REPORT NO WCAP 7410-L TEST ON LIMITORQUE VALVE MOTOR OPERATORS F. NEDO REPORT 24217, TABLE 4-3	
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COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddirment Description	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MO-1-1001-37A Component: MOTOR-OPERATED	Temperature (°F)	135		
GLOBE VALVE Manufacturer: LIMITORQUE(PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: TYPE SMB-0-10	Relative Humidity (%)	100		
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: TORUS SPRAY SHUT OFF	Chemical Spray	NA		
VALVE CLOSES ON DRYWELL HIGH PRESSURE	Radiation (Rad)	3.9 EO7		
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA		
Elevation 580'-3"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

FOLUDIARIT PERCENTALON		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-37B Component: MOTOR~OPERATED	Temperature (°F)	135
GLOBE VALVE Manufacturer: LIMITORQUE(PEERLESS) AC MOTOR	Pressure (PSIA)	14.7
Model Number: TYPE SMB-0-10	Relative Humidity (%)	100
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: TORUS SPRAY SHUT OFF	Chemical Spray	NA
VALVE CLOSES ON DRYWELL HIGH PRESSURE	Radiation (Rad)	3.9 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
Elevation 589'-0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Date 05-01-83

Owner:

Elevation: Above Flood Level: Yes:

No:

COMMONWEALTH EDISON

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FOLURMENT DECORRECTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-4A,B Component: MOTOR OPERATED	Temperature (°F)	114	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB - 1 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	, NA	NA . *	NA ·		
	Radiation (Rad)	1.3 EO6	2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF. (E)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level			<u> </u>				<u> </u>

DOCUMENTATION REFERENCES	NOTES	
A. REPORT NO 600461-B0003, QUALIFICATION TYPE TEST REPORT LIMITORQUE VALVE ACTUATORS FOR CLASS IE SERVICE OUTSIDE PRIMARY CONTAINMENT. B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3		

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No: QUAD CITIES 1 50-254

Above Flood Level:

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

Yes:

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EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOIFMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-4A Component: MOTOR OPERATED	Temperature (°F)	114
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Mode! Number: SMB - 1	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA
A SERVICE WATER INLET SHUTOFF VALVE	Radiation (Rad) -	1.3 EO6
Accuracy: Spec: NA Demo: NA Location NE CORNER ROOM	Aging	NA
Elevation 585'0"	Submergence	NA
Flood Level Elevation: NA	L.,,,	

FOLUBRASHIT DECORUPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS _.
Piant I.D. Number: M0 - 1 - 1001 - 4B Component: M0TOR OPERATED	Temperature (°F)	114
GATE VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7
Model Number: SMB - 1	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA
B SERVICE WATER INLET SHUTOFF VALVE	Radiation (Rad)	1.3 EO6
Accuracy: Spec: NA Demo: NA Location SE CORNER ROOM	Aging	NA
Elevation 585'O"	Submergence	NA
Flood Level		G-0858-03

G-0858-03

Revision 2 Date 05-01-83

Owner: Facility: COMMONWEALTH EDISON

QUAD CITIES

Unit: Docket No: 50-254

> Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	1	ENVIRONMEN	Τ .	DOCUMENTATI	ON REFERENCES	QUALIFICATION METHOD	OUTSTANDING
EGOIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.		ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	40 SECONDS	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO - 1 - 1001 - 47 Component: MOTOR-OPERATED	Temperature (*F)	120	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: RHR SHUTDOWN COOLING	Chemical Spray	NA	NA .	NA	NA	· · · · · · · · · · · · · · · · · · ·	
VALVE	Radiation (Rad)	<1.0 EO4	1.0 E07	REF.	REF.	SIMILARITY TEST	
Accuracy: Spec: NA Demo: NA Location: HP HEATER BAY	Aging	1.8 EO6	165 F FOR 199.8 HOURS	REF. (E)	REF.	SEQUENTIAL TEST	
Elevation: 599'-0"	Submergence	NA	NA	NA	NA		
Flood Level	<u> </u>		<u></u>		1	<u></u>	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED NOV 13, 1980. C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: QUAD CITIES

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NOTES (cont.)
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Revision 2 Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: QUA

Elevation:
Above Flood Level:
Yes: No

QUAD CITIES

Unit: 1 Docket No: 50-254

EQUIPMENT DESCRIPTION				DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EGOTFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-5A&B Component: MOTOR-OPERATED	Temperature (^F)	114	250	REF.	REF.	SIMULTANEOUS TEST	
GLOBE VALVE Manufacturer: LIMITORQUE PEERLESS AC MOTOR W BRAKE	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-2-60 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	2.3 EO6	2.0 E07	REF.	REF.	SEQUENTIAL TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED MAY 19, 1981. B. FIELD MEASUREMENT C. FSAR SECTION 10.10	1. THIS EQUIPMENT HAS A MOTOR BRAKE WHICH HAS BEEN DETERMINED TO BE NOT REQUIRED. THE DISCONNECTION OF THE MOTOR BRAKES WILL BE COMPLETED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984.

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QUAD CITIES

DOCUMENTATION REFERENCE	S (cont.)	NOTES (cont.)
D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3		
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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
Eddi MENT BESOM TION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: MO-1-1001-5A Component: MOTOR-OPERATED	Temperature (°F)	114
GLOBE VALVE Manufacturer: LIMITORQUE PEERLESS AC MOTOR W BRAKE	Pressure (PS1A)	14.7
Model Number: TYPE SMB-2-60 Purchase Order Number:	Relative Humidity (%)	100
3620-131 SPEC R-2395 Function/Service: CONTAINMENT COOLANT	Chemical Spray	NA
HEAT EXCHANGER DISCHARGE ISOLATION VALVE	Radiation (Rad)	2.3 EO6
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NA
Elevation 554' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EGOTPWENT DESCRIPTION	Parameter	Specification			
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS			
Plant I.D. Number: MO-1-1001-5B Component: MOTOR-OPERATED	Temperature (°F)	114			
GLOBE VALVE Manufacturer: LIMITORQUE PEERLESS AC MOTOR W BRAKE	Pressure (PSIA)	14.7			
Model Number: TYPE SMB-2-60	Relative Humidity (%)	100			
Purchase Order Number: 3620-131 SPEC. R-2395 Function/Service: CONTAINMENT COOLANT	Chemical Spray	NA			
HEAT EXCHANGER DISCHARGE ISOLATION VALVE	Radiation (Rad)	2.3 EO6			
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA			
Elevation 554' O"	Submergence	NA			
Flood Level Elevation: NA		G~0858-03			

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Owner:

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	40 SECONDS		REF.			SEE NOTE
Plant I.D. Number: MO-1-1001-50 Component: MOTOR-OPERATED	Temperature (*F)	334		REF.			SEE NOTE
GATE VALVE Menufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	63.0		REF			SEE NOTE
Model Number: SMB-3 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
3620-125 SPEC R-2358 Function/Service: RHR SHUTDOWN COOLING	Chemical Spray	DEMIN WATER	NOT REQD.	REF.	REF.		
VALVE	Radiation (Rad)	2.2 EO4		REF. (F)			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL NEAR	Aging	150 F 1.1 E06 RADS		REF.			SEE NOTE
AZIMUTH O Elevation: 601'-54"	Submergence	NA .	NA	NA	NA		

Flood Level
Elevation: 583'O"
Above Flood Level:
Yes: X No:

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. CONTAINMENT SPRAY SYSTEM REQUIRES MANUAL	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE COMPONENTS OR SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED FOR ENVIRONMENTAL

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
INITIATION. IT IS ASSUMED THIS WILL NOT OCCUR WITHIN 10 MINUTES. THEREFORE, QUALIFICATION IS NOT REQUIRED. F. BECHTEL RADIATION STUDY G. NEDO REPORT 24217, TABLE 4-3	CONDITIONS. B. THESE COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZA- TION INCIDENT AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRON- MENTAL CONDITIONS.
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COMMONWEALTH EDISON

Facility: Unit: Docket No:

QUAD CITIES

Above Flood Level: Yes:

No:

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FOUNDMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	30 DAYS		REF.			SEE NOTE
Plant I.D. Number: MO-1-1001-60 Component: MOTOR-OPERATED	Temperature (*F)	304		REF.		•	SEE NOTE
GATE VALVE Manufecturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	27.5		REF.			SEE NOTE
Model Number: SMB-00-15	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: HEAD SPRAY VALVE	Chemical Spray	NA ·	NA	NA	NA		
· .	Radiation (Rad)	2.2 E06		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: STEAM TUNNEL	Aging	150 F 1.4 EO6 RADS		REF.			SEE NOTE
Elevation: 604′-10"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. FSAR SECTION 6.2.4 B. TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC NO. 3C2-0181-001, REV 1, NOVEMBER 1982 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. RADIATION DOSES WERE CALCULATED USING CONSERVATIVE NON-MECHANISTIC MODELS.

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
DOCUMENTATION REFERENCES (CONT.)	MECHANISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTU- LATED ACCIDENT. ACTUAL DOSES WOULD THEREFORE BE LESS THAN THOSE CALCULATED USING SUCH CONSERVATIVE ASSUMPTIONS. B. OTHER EQUIPMENT SIMILAR IN DESIGN TO THIS EQUIPMENT HAS SUCCESSFULLY BEEN QUALIFIED FOR ENVIRONMENTS IN EXCESS OF THE CALCULATED REQUIREMENT FOR THIS EQUIPMENT.
	C. OTHER LIMITORQUE OPERATORS HAVE BEEN QUALIFIED TO RADIATION DOSES OF GREATER THAN 2.0 E07 RADS WITHOUT FAILURE.

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COMMONWEALTH EDISON

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ENVIRONMENT DOCUMENTATION REFERENCES QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: E Operating RESIDUAL HEAT REMOVAL 30 DAYS REF. SEE NOTE Time (A) (1) Plant I.D. Number: Temperature MO-1-1001-63 334 REF. SEE NOTE (°F) Component: (B) (1) MOTOR-OPERATED GATE-VALVE Pressure Manufacturer: 63.0 REF. SEE NOTE (PSIA) LIMITORQUE (A) (1) AC MOTOR Model Number: Relative SMB 100 REF. SEE NOTE Humidity (%) (A) (1) Purchase Order Number: 3620-125 DEMIN Chemical SPEC R-2358 SEE NOTE WATER REF. Spray Function/Service: (C) (1) HEAD SPRAY VALVE INBOARD ISOLATION Radiation 1.0 E08 REF. SEE NOTE (Rad) (D) (1) Accuracy: Spec: NΑ Aging Demo: NA 150 F SEE NOTE REF. Location: (E) (1) INSIDE DRYWELL 1.1 EO6 RADS Submergence

SYSTEM COMPONENT EVALUATION WORKSHEET

Flood Level
Elevation: 583'0"
Above Flood Level:
Yes: X No:

Elevation:

SMB-00-

DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURE 5.2.17 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR SECTION 6.2.4.2.2 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE COMPONENTS OR SIMILAR ITEMS HAVE

NA

NA

NA

NA

Revision: 2

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Owner: COMMONWEALTH EDISON

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QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	BEEN PARTIALLY TESTED FOR ENVIRONMENTAL CONDITIONS. B. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZA- TION INCIDENT AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRON- MENTAL CONDITIONS.

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COMMONWEALTH EDISON

Owner: Facility: Unit:

Docket No:

Elevation:
Above Flood Level:
Yes: No

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QUAD CITIES

FOLUDIATINE DECORPORTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	16 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1001-7A,B,C,D Component: MOTOR-OPERATED	Temperature (^F)	114	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Mode! Number: SMB-00-15 Purchase Order Number:	Relative Humiditý (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	3.0 EO6	2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	165 F FOR 199.8 HOURS	REF. (E)	REF.	SEQUENTIAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L				<u> </u>		<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED MAY 19, 1981 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. NEDO REPORT 24217, TABLE 4-3	
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Date: 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No:

Yes:

No:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddi MENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MD-1-1001-7A Component: MOTOR-OPERATED	Temperature (°F)	114		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB-00-15 Purchase Order Number:	Relative Humidity (%)	100		
Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: RHR PUMP SUCTION	Chemical Spray	NA NA		
VALVE	Radiation (Rad)	3.0 E06		
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NÁ		
Elevation 554′0"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level:				

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EUGIFIMENT DESCRIPTION	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MO-1-1001-7B Component: MOTOR-OPERATED	Temperature (°F)	114		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB-00-15	Relative Humidity (%)	100		
Purchase Order Number: 3620-125 SPEC. R-2358 Function/Service: RHR PUMP	Chemical Spray	NA		
SUCTION VALVE	Radiation (Rad)	3.0 EO6		
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NA .		
Elevation 554' O"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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Facility: Unit:

QUAD CITIES

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Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EUGIFMENT DESCRIPTION .	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS .		
Plant I.D. Number: MO-1-1001-7C Component: MOTOR-OPERATED	Temperature (°F)	114		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB-00-15 Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: RHR PUMP	Relative ' Humidity (%)	100		
	Chemical Spray	NA		
SUCTION VALVE	Radiation (Rad)	3.0 EO6		
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA		
Elevation 554′0"	Submergence	NA		
Flood Level Elevation: ŅĄ Above Flood Level:				

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Edon MENT BESCHI TON	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: MD - 1 - 1001 - 7D Component: MOTOR - OPERATED	Temperature (°F)	114		
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB-00-15	Relative Humidity (%)	100		
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: RHR PUMP SUCTION	Chemical Spray	NA		
VALVE	Radiation (Rad)	3.0 EO6		
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA		
Elevation 554′ O"	Submergence	NA		
Flood Level	· · · · · · · · · · · · · · · · · · ·	C-0050-03		

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COMMONWEALTH EDISON

Facility: Q Unit: 1

Elevation:
Above Flood Level:
Yes: No

Owner:

QUAD CITIES

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FOLUBRISH PERCENTAGE	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION Para	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: PT-1-1043A,B Component: PRESSURE TRANSMITTER	Temperature (°F)	114	NOT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: GEMAC 551 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
GE A8028 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.5 EO6	2.75 EO6	REF.	REF.	TYPE TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.	-	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA ·	NA		
Flood Level	L]		<u> </u>	L.,	<u></u>

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGGIFMENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: PT-1-1043A Component: PRESSURE TRANSMITTER	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	
Model Number: GEMAC 551	Relative Humidity (%)	100	
Purchase Order Number: GE A8028 Function/Service: RHR SYSTEM PRESSURE	Chemical Spray	. NA	
TRANSMITTER	Radiation (Rad)	1.5 EO6	
Accuracy: Spec: NA Demo: NA Location RACK 2201-59A	Aging	NA	
NORTHEAST CORNER ROOM Elevation 554'O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:	·		

FOURNIENT DECORRECTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter.	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: PT-1-1043B Component: PRESSURE TRANSMITTER	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: GEMAC 551	Relative Humidity (%)	100
Purchase Order Number: GE A8028 Function/Service: RHR SYSTEM PRESSURE	Chemical Spray	NA .
TRANSMITTER	Radiation (Rad)	4.0 EO5
Accuracy: Spec: NA Demo: NA Location RACK 2201-59B	Aging	NA
SOUTHEAST CORNER ROOM Elevation 554'-0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT	•	DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
	Parameter	Specification	Qualification	Spec.	Qual.		ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: PT-1-1044A Component: PRESSURE TRANSMITTER	Temperature (°F)	114	NOT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: GE/MAC 551 50-55132GAAW1 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA	NA	NA	NA		
SERVICE WATER SIDE PRESSURE INDICATION	Radiation (Rad)	1.5 EO6	2.75 EO6	REF.	REF.	INDIVIDUAL TEST	
Accuracy: Spec: NA Demo: NA Location: NE CORNER ROOM	Aging	NA	NOT REQD.	REF.	REF.		
RACK 2201-59A Elevation: 554'0"	Submergence	NA	NA ⁻	NA	NA		

Flood Level Elevation: NA Above Flood Level: Yes:

NOTES

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SYSTEM COMPONENT EVALUATION WORKSHEET

FOLUDATAL DECOMPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: PT-1-1044B Component: PRESSURE TRANSMITTER	Temperature (°F)	114	NDT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: GE/MAC 551 50-55132GAAW1 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: RHR HEAT EXCHANGER	Chemical Spray	NA	- NA	NA	NA		
SERVICE WATER SIDE PRESSURE INDICATION	Radiation (Rad)	4.0 EO5	2.75 EO6	REF.	REF.	TYPE TEST	
Accuracy: Spec: NA Demo: NA Location: SE CORNER ROOM	Aging	NA	NOT REQD.	REF.	REF.		
RACK 2201-59B Elevation: 554'0"	Submergence	NA	NA	NA	NA	•	

Flood Level Elevation: NA Above Flood Level: Yes: No:

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	

Component Sheet No: 139 Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Facility: Docket No:

> Elevation: Above Flood Level: Yes:

Owner:

QUAD CITIES

50-254

Unit:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING	I
EUDIFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	NOT REQD.	. NA	REF.			1
Plant I.D. Number: 1-1001-65A,B,C,D Component: RHR SERVICE WATER	Temperature (°F)	120	NOT REQD.	REF.	REF.			
PUMP MOTOR-DRIVEN Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.			
Model Number: 5K821167A31 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.			1
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA			
	Radiation (Rad)	< 1.0 EO4	NOT REQD.	REF.	REF.			
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.			
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA .	АИ	NA			
Flood Level	L		L	1	<u> </u>		<u> </u>	٦

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	

Component Sheet No. 140 Revision 2

Date: 05-01-83

COMMONWEALTH EDISON

Facility:

Owner:

QUAD CITIES

Unit: Docket No: 50-254

Elevation: NA

No:

. Above Flood Level:

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT				
EGOTPWENT DESCRIPTION	Parameter	Specification				
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS				
Plant 1.D. Number: 1-1001-65A Component: RHR SERVICE WATER	Temperature {°F}	120				
PUMP MOTOR-DRIVEN Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7				
Model Number: 5K821167A31	Relative Humidity (%)	100				
Purchase Order Number:	1					
Function/Service: RHR PUMP-SERVICE	Chemical Spray	NA				
WATER	Radiation (Rad)	< 1.0 EO4				
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA				
PUMP ROOM Elevation 547'O"	Submergence	NA				
Flood Level	L					

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTEMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 1-1001-65B Component: RHR SERVICE WATER	Temperature (°F)	120
PUMP MOTOR-DRIVEN Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: -5K821167A31	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: RHR PUMP-SERVICE	Chemical Spray	NA
WATER	Radiation (Rad)	< 1.0 EO4
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA
PUMP ROOM Elevation 547'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No:

Above Flood Level:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

FOUNDATION PROPRIETION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 1-1001-65C Component: RHR SERVICE WATER	Temperature (°F)	120
PUMP MOTOR-DRIVEN Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K821167A31	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: RHR PUMP SERVICE	Chemical Spray	NA
. WATER	Radiation (Rad)	< 1.0 EO4
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA
PUMP ROOM Elevation 547'O"	Submergence	NA .
Flood Level Elevation: NA	- I	

	, _F	
EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 1-1001-65D Component: RHR SERVICE WATER	Temperature (°F)	120
PUMP MOTOR-DRIVEN Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K821167A31	Relative Humidity (%)	100
Purchase Order Number: Function/Service: RHR PUMP SERVICE	Chemical Spray	NA
WATER	Radiation (Rad)	< 1.0 EO4
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA
PUMP ROOM Elevation 547'0"	Submergence	NA
Flood Level Elevation: NA	,	G-0858-03

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Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES QUALIF		OUTSTANDING
Eddi WENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	12 HOURS	NA	REF.	SIMILARITY TEST	
Plant 1.D. Number: 1-1002A,B,C,D Component: PUMP-MOTOR DRIVEN	Temperature (°F)	114	212	REF.	REF.	SIMILARITY TEST	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	14.7	REF.	REF.	SIMILARITY TEST	
Model Number: 5K6336XC193 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMILARITY TEST	
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NOT REQD	NA NA	NA		
	Radiation (Rad)	1.3 EO6	4.6 E07	REF.	REF.	SIMILARITY TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	69000 HRS AT 284 F	REF.	REF.	SIMILARITY TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. NEDC-30067, 83 NEDD 25 CLASS 1-QUALIFICATION DATA REPORT; COMPARISON OF RHR AND CORE SPRAY PUMP MOTOR DATA WITH QUALIFICATION TEST DATA FOR SIMILAR MOTORS. AT 212 F THEN A POST DBE TEST AT 189 F FOR 200 HOURS WHICH IS MUCH MORE STRINGENT THAN 114 F FOR 12 DAYS	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	

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COMMONWEALTH EDISON

Owner: Facility: Unit:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

FOURTHIE PERCENTAGE		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 1-1002B Component: PUMP-MOTOR DRIVEN	Temperature (°F)	114
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K6336XC193	Relative Humidity (%)	100
Purchase Order Number:	Chemical Spray	NA
	Radiation (Rad)	1.3 EO6
Accuracy: Spec: NA Demo: NA Location . NORTHEAST CORNER ROOM	Aging	NA
Elevation 554'O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddi Melli Degalli Hon	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant I.D. Number: 1-1002A Component: PUMP-MOTOR DRIVEN	Temperature (^F)	114		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 5K6336XC193	Relative Humidity (%)	100		
Purchase Order Number: Function/Service: RHR PROCESS PUMP	Chemical Spray	NA		
	Radiation (Rad)	1.3 EO6		
Accuracy: Spec: NA Demo: NA Location NORTHEAST CORNER ROOM	Aging	NA		
Elevation 554'0"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

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COMMONWEALTH EDISON QUAD CITIES

Unit:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddir MENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: 1-1002C Component: PUMP-MOTOR DRIVEN	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	
Model Number: 5K6336XC193	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: RHR PROCESS PUMP	Chemical Spray	NA	
	Radiation (Rad)	1.3 EO6	
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA	
Elevation 554'0"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:	L		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EUGIFMENT DESCRIFTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: 1-1002D Component: PUMP-MOTOR DRIVEN	Temperature (°F)	114	
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA) 14.7		
Model Number: 5K6336XC1 93	Relative Humidity (%)	100	
Purchase Order Number:			
Function/Service: RHR PROCESS PUMP	Chemical Spray	NA .	
	Radiation (Rad)	1.3 EO6	
Accuracy: Spec: NA Demo: NA Location SOUTHEAST CORNER ROOM	Aging	NA	
Elevation 554'O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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ENVIRONMENT DOCUMENTATION REFERENCES QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: Operating RESIDUAL HEAT REMOVAL CONTINUOUS NOT NA REF. Time REQD. (A) Plant I.D. Number: Temperature 1-5745A,B,C,D 120 NOT REF. REF. (^F) Component: REQD. (B) (A) ROOM COOLER (FAN MOTOR) Pressure Manufacturer: 14.7 NOT REF. REF. (PSIA) BUFFALO FORGE REQD. (B) (A) Model Number: Relative 72P10815 100 NOT REF. REF. Humidity (%) REQD. (B) (A) Purchase Order Number: Chemical NA NA NA NΑ Spray Function/Service: SEE ATTACHED SHEETS Radiation < 1.0 E04 NOT REF. REF. (Rad) REQD. (C) (A) Accuracy: Spec: Aging NA NOT REF. REF. Demo: Location: REQD. (D) (E) SEE ATTACHED SHEETS

NA

NA

NA

SYSTEM COMPONENT EVALUATION WORKSHEET

Flood Level Elevation: Above Flood Level: Yes:

SEE ATTACHED SHEETS

Elevation:

Submergence

	DOCUMENTATION REFERENCES	NOTES
	A. THIS REPORT SECTION 4.4	
i	B. FSAR SECTION 10.10	
	C. BECHTEL RADIATION STUDY	
	D. NEDO REPORT 24217, TABLE 4-3	
	E. THIS REPORT SECTION 4.3.6	

NA

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Date: 05-01-83

COMMONWEALTH EDISON

Facility: Unit: Docket No:

Owner:

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Above Flood Level:

No:

Yes:

QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

· EQUIPMENT DESCRIPTION		ENVIRONMENT
ECON MENT DESCRIPTION	Parameter	Specification
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS
Plant I.D. Number: 1-5745A Component: ROOM COOLER	Temperature (°F)	120
(FAN MOTOR) Manufacturer: BUFFALO FORGE	Pressure (PSIA)	14.7
Model Number: 72P10815	Relative Humidity (%)	100
Purchase Order Number: Function/Service: RHR SERVICE WATER	Chemical Spray	NA
PUMP ROOM COOLER	Radiation (Rad)	< 1.0 EO4
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA
PUMP ROOM Elevation 573'O"	Submergence	NA
Flood Level Elevation: NA		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOT MENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: 1-5745B Component: ROOM COOLER	Temperature (°F)	120	
(FAN MOTOR) Manufacturer: BUFFALO FORGE	Pressure (PSIA)	14.7	
Model Number: 72P10815	Relative Humidity (%)	100	
Purchase Order Number:		•	
Function/Service: RHR SERVICE WATER	Chemical Spray	NA	
PUMP ROOM COOLER	Radiation (Rad)	< 1.0 EO4	
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA	
PUMP ROOM Elevation 573'O"	Submergence	NA .	
Flood Level Elevation: NA		G-0858-03	

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

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Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA
Above Flood Level:

No:

Yes:

	<u> </u>	ENVIRONMENT		
EQUIPMENT DESCRIPTION	ENVINORMENT			
	Parameter	Specification		
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS		
Plant 1.D. Number: 1-5745C Component: ROOM COOLER	Temperature (°F)	120		
(FAN MOTOR) Manufacturer: BUFFALO FORGE	Pressure (PS1A)	14.7		
Model Number: 72P10815	Relative Humidity (%)	100		
Purchase Order Number: Function/Service: RHR SERVICE WATER	Chemical Spray	NA		
PUMP ROOM COOLER	Radiation (Rad)	< 1.0 EO4		
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA		
PUMP ROOM Elevation 573'0"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level:				

FOURDMENT DECORIDATION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: RESIDUAL HEAT REMOVAL	Operating Time	CONTINUOUS	
Plant I.D. Number: 1-5745D Component: ROOM COOLER	Temperature (°F)	120	
(FAN MOTOR) Manufacturer: BUFFALO FORGE	Pressure (PSIA)	14.7	
Model Number: 72P10815	Relative Humidity (%)	100	
Purchase Order Number:	<u> </u>		
Function/Service: RHR SERVICE WATER	Chemical Spray	NA	
PUMP ROOM COOLER	Radiation (Rad)	< 1.0 EO4	
Accuracy: Spec: NA Demo: NA Location RHR SERVICE WATER	Aging	NA	
PUMP ROOM Elevation 573'O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Elevation: Above Flood Level: Yes:

No:

FOUNDMENT DECODIDATION		ENVIRONMENT	г	DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.,	Qual.	METHOD	ITEMS
System: PRESSURE SUPPRESSION	Operating Time	CONTINUOUS	7 DAYS	NA	REF.	SEQUENTIAL TEST	
Plant I.D. Number: LT-1-1641-5A,B Component: LEVEL TRANSMITTER	Temperature (°F)	135	114	REF.	REF.	SEQUENTIAL TEST	
Manufacturer: ITT BARTON	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 764/732 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
244323 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	4.24 EO7	1.0 EO8	REF.	REF.	TYPE TEST	SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	-				<u> </u>	<u></u>	-

DOCUMENTATION REFERENCES	NOTES
A. ITT BARTON, REPORT NO. R3-764-1 B. THIS REPORT SECTION 4.3.1 C. THIS REPORT SECTION 4.4 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTEMENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	CONTINUOUS
Plant I.D. Number: LT-1-1641-5A Component: LEVEL TRANSMITTER	Temperature (*F)	135
Manufacturer:	Pressure (PSIA)	14.7
Model Number: 764/732	Relative Humidity (%)	_ 100
Purchase Order Number: 244323 Function/Service:	Chemical Spray	NA
INDICATION OF CONTAIN MENT WATER LEVEL	Radiation (Rad)	4.24 EO7
Accuracy: Spec: NA Demo: NA Location IN TORUS COMPARTMENT	Aging	NA
BTW COLS L,M & 13,14 Elevation 585' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGUIPINENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	CONTINUOUS
Plant I.D. Number: LT-1-1641-5B Component: LEVEL TRANSMITTER	Temperature (°F)	135
Manufacturer: ITT BARTON	Pressure (PSIA)	14.7
Model Number: 764/732	Relative Humidity (%)	100
Purchase Order Number: 244323 Function/Service:	Chemical Spray	NA
INDICATION OF CONTAIN MENT WATER LEVEL	Radiation (Rad)	4.24 EO7
Accuracy: Spec: NA Demo: NA Location IN TORUS COMPARTMENT	Aging	NA
BTW COLS L,M & 18,19 Elevation 585′O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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COMMONWEALTH EDISON

Facility: Unit:

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Elevation: Above Flood Level: Yes:

No:

FOLURMENT DESCRIPTION		ENVIRONMENT	•	DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: PRESSURE SUPPRESSION	Operating Time	12 DAYS	NOT REQD.	REF.	REF.		
Plant I.D. Number: PS-1-1622A&B Component: PRESSURE SWITCH	Temperature (°F)	114	NOT REQD	REF.	REF (B)		
Manufacturer: STATIC-O-RING	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 12NN-KK215-VX	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Purchase Order Number: GE D8020A Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.7 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA		REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA .	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 10.10 E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THE OPERATOR COULD MANUALLY CONTROL THE VACUUM RELIEF VALVES OR PROVIDE VACUUM RELIEF THROUGH THE STGS IN THE EVENT OF FAILURE OF THESE COMPONENTS.

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	B. REPLACEMENT COMPONENTS QUALIFIED TO THE PARAMETERS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING OR BEFORE THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984.
	e .

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA
Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	30 DAYS
Plant I.D. Number: PS-1-1622A Component: PRESSURE SWITCH	Temperature (°F)	114
Manufacturer: STATIC-O-RING	Pressure (PSIA)	14.7
Model Number: 12NN-KK215-VX	Relative Humidity (%)	100
Purchase Order Number: GE D8020A Function/Service: ACTUATES TORUS	Chemical Spray	NA
VACUUM RELIEF VALVES 1601-20A&B	Radiation (Rad)	1.7 EO5
Accuracy: Spec: NA Demo: NA Location SE CORNER ROOM	Aging	NA
Elevation 554' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddir MENT BESONII FION	Parameter	Specification		
System: PRESSURE SUPPRESSION	Operating Time	30 DAYS		
Plant I.D. Number: PS-1-1622B Component: PRESSURE SWITCH	Temperature (°F)	114		
Manufacturer: STATIC-O-RING	Pressure (PSIA)	14.7		
Model Number: 12NN-KK215-VX	Relative Humidity (%)	100		
Purchase Order Number: GE D8020A Function/Service: ACTUATES TORUS	Chemical Spray	NA		
VACUUM RELIEF VALVES 1601-20A&B	Radiation (Rad)	1.7 EO5		
Accuracy: Spec: NA Demo: NA Location SE CORNER ROOM	Aging	NA		
Elevation 554' O"	Submergence	NA		
Flood Level	· · · · · · · · · · · · · · · · · · ·	G-0858-03		

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Owner: Facility: Unit:

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Elevation: NA
Above Flood Level:
Yes: No

ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	12 DAYS	NOT REQD.	REF.	REF.		
Temperature (°F)	104	NOT REQD.	REF.	REF.		
Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	7.3 EO4	2.75 EO6	REF.	REF.	TYPE TEST	
Aging	NA .	NOT REQD.	REF.	REF. (F)		
Submergence	N <u>A</u>	NA	NA	NA		
	Operating Time Temperature (°F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time 12 DAYS Temperature (°F) 104 Pressure (PSIA) 14.7 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 7.3 E04 Aging NA	Parameter Specification Qualification Operating Time 12 DAYS NOT REQD. Temperature (°F) 104 NOT REQD. Pressure (PSIA) 14.7 NOT REQD. Relative Humidity (%) 100 NOT REQD. Chemical Spray NA NA NA Radiation (Rad) 7.3 E04 2.75 E06 Aging NA NOT REQD.	Parameter Specification Qualification Spec. Operating Time 12 DAYS NOT REF. REQD. (A) Temperature (°F) 104 NOT REF. (C) Pressure (PSIA) 14.7 NOT REF. (C) Relative Humidity (%) 100 NOT REF. (C) Chemical Spray NA NA NA NA Radiation (Rad) 7.3 E04 2.75 E06 REF. (A) Submergence REF. Submergence	Parameter Specification Qualification Spec. Qual. Operating Time 12 DAYS NOT REF. (A) REF. (B) Temperature (CF) 104 NOT REGOD. REF. (C) REF. (B) Pressure (PSIA) 14.7 NOT REF. (C) REF. (D) REF. (C) REF. (C)	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES *
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	,

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Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

> Above Flood Level: Yes:

ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	CONTINUOUS	NOT RE <u>Q</u> D .	NA	REF.		
Temperature (°F)	104	NOT REQD.	REF.	REF.		
Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	2.8 EO5	5.0 EO6	REF.	REF.	TYPE TEST	
Aging	NA	NOT REQD.	REF.	REF.		
Submergence	NA	NA	NA	NA		
	Operating Time Temperature (°F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time CONTINUOUS Temperature (°F) 104 Pressure (PSIA) 14.7 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 2.8 E05 Aging NA	Parameter Specification Qualification Operating Time CONTINUOUS NOT REQD. Temperature (°F) 104 NOT REQD. Pressure (PSIA) 14.7 NOT REQD. Relative Humidity (%) 100 NOT REQD. Chemical Spray NA NA NA Radiation (Rad) 2.8 EO5 5.0 EO6 Aging NA NOT REQD.	Parameter Specification Qualification Spec. Operating Time CONTINUOUS NOT REQD. Temperature (°F) 104 NOT REQD. Pressure (PSIA) 14.7 NOT REF. (B) Relative Humidity (%) 100 NOT REF. (B) Chemical Spray NA NA NA NA Radiation (Rad) 2.8 E05 5.0 E06 REF. (C) Aging NA NOT REF. (E) Submergence	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NOT REQD. NA REF. (A) Temperature (F) 104 NOT REQD. (B) REF. (B) (A) Pressure (PSIA) 14.7 NOT REF. (B) REF. (B) (A) Relative Humidity (%) 100 NOT REF. (B) (A) Chemical Spray NA NA NA NA NA NA Radiation (Rad) 2.8 EO5 5.0 EO6 REF. (C) REF. (D) Aging NA NOT REQD. REF. (E) REF. (F) Submergence	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NOT REQD. Temperature (F) 104 NOT REQD. Pressure (PSIA) 14.7 NOT REQD. Relative Humidity (%) 100 NOT REGD. Chemical Spray NA

DOCUMENTATION REFERENCES	· NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. ROSEMOUNT,RMT REPORT NO. 117415, REV B E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	•

Date: 05-01-83

Revision 2

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

> Above Flood Level: Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	CONTINUOUS
Plant I.D. Number: PT-1-1641-6A Component: PRESSURE TRANSMITTER	Temperature (°F)	104
Manufacturer: ROSEMOUNT	Pressure (PSIA)	14.7
Model Number: 1152 GP7A22PB	Relative Humidity (%)	100
Purchase Order Number: 241619		·
Function/Service:	Chemical Spray	NA
INDICATION OF CONTAINMENT PRESSURE	Radiation (Rad)	1.65 EO5
Accuracy: Spec: NA Demo: NA Location : IN R.B. NEAR	Agifig	NA
COLUMNS M & 15 Elevation 623' O"	Submergence	NA
Flood Level Elevation: NA	L	

EQUIPMENT DESCRIPTION		ENVIRONMENT
Eduli MENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	CONTINUOUS
Plant I.D. Number: PT-1-1641-6B Component: PRESSURE TRANSMITTER	Temperature (°F)	104
Manufacturer: ROSEMOUNT	Pressure (PSIA)	14.7
Model Number: 1152 GP7A22PB	Relative Humidity (%)	100
Purchase Order Number:		
241619	Chemical	
Function/Service:	Spray	NA
INDICATION OF CONTAINMENT PRESSURE	Radiation (Rad)	2.8 EO5
Accuracy: Spec: NA Demo: NA Location	Aging	NA NA
IN R.B. NEAR		
COLUMNS M & 17 Elevation 623′ O"	Submergence	NA ,
Flood Level	L	G-0858-03

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Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

> Elevation: Above Flood Level: Yes:

No:

QUAD CITIES

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EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: PRESSURE SUPPRESSION	Operating Time	12 DAYS		REF.			SEE NOTE
Plant I.D. Number: SO-1-1601-50A&B Component: SOLENOID VALVE	Temperature (°F)	135		REF.			SEE NOTE
Manufacturer: VERSA	Pressure (PSIA)	14.7		REF.			SEE NOTE
Model Number: VPS 2502 VGS 4522/VGS 4422 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	2.6 EO7	·	REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. BECHTEL RADIATION STUDY B. THIS REPORT SECTION 4.3.1 C. FSAR SECTION 10.10 D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- B. AN ALTERNATE FLOW PATH IS AVAILABLE TO

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Date: 05-01-83

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COMMONWEALTH EDISON

Facility:

QUAD CITIES

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	DOCUMENTATION REFERENCES (cont.)			NOTES (cont.)	
			RELIEVE TORU COMPONENTS S	S VACUUM IN THE EVENT THE	SE
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Date: 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTFWENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	12 DAYS
Plant I.D. Number: SO-1-1601-50A Component: SOLENOID VALVE	Temperature (°F)	135
Manufacturer: VERSA	Pressure (PSIA)	14.7
Model Number: VPS 2502 VGS 4522/VGS 4422 Purchase Order Number:	Relative Humidity (%)	100
Function/Service: PILOT SOLENOID FOR	Chemical Spray	NA
TORUS VACUUM RELIEF VALVES 1601-20A&B	Radiation (Rad)	2.6 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
NEAR PEN X-205 Elevation 587'O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		-

		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: PRESSURE SUPPRESSION	Operating Time	12 DAYS
Plant I.D. Number: SO-1-1601-50B Component: SOLENOID VALVE	Temperature (°F)	135
Manufacturer: VERSA	Pressure (PS1A)	14.7
Model Number: VPS 2502 VGS 4522/VGS 4422 Purchase Order Number:	Relative Humidity (%)	100
Function/Service: PILOT SOLENOID FOR	Chemical Spray	NA
TORUS VACUUM RELIEF VALVES 1601-20A&B	Radiation (Rad)	2.6 EO7
Accuracy: Spec: NA Demo: NA Location TOP OF TORUS	Aging	NA
NEAR PEN X-205 Elevation 587'O"	Submergence	NA
Flood Level		G-0858-03

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COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No:

Elevation: Above Flood Level: Yes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTAT	DOCUMENTATION REFERENCES		OUTSTANDING	
Zaaminam Saaaniii (1911	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA ·	REF.		
Plant I.D. Number: FSL-1/2-7541-33A,B Component: FLOW SWITCH LOW	Temperature ("F)	104	NOT REQD.	REF.	REF.		
Manufacturer: MERCOID	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: DA-533-2 R.1 Purchase Order Number:	Relative . Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-158 SPEC R-2355 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	2.3 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA .	NA	·	NA
Flood Level	<u> </u>		1 -	l	J	<u> </u>	_l

DOCUMENTATION REFERENCES	NOTES ,
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS COMPONENT IS PART OF AN ELECTRONIC CONTROL SUBSYSTEM WHICH WILL BE REDESIGNED. THE FUNCTION OF THIS COMPONENT WILL BE HANDLED BY ELECTRONIC COMPONENTS ASSOCIATED WITH NEW TRANSMITTERS WHICH WILL BE ASSIGNED THE PLANT I-D'S FT-1/2-7541-1A,B. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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COMMONWEALTH EDISON

Owner: Facility: Unit: Docket:

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DOCUMENTATION REFERENCES (cont.)	. NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED. FOR THE FOLLOWING REASONS- THIS IS A LOW FLOW SWITCH USED TO TRIP THE SGTS AIR HEATER ON LOW FLOW. SINCE RADIATION IS THE ONLY HARSH ENVIRONMENT, FAILURE OF THE AIR HEATER OR SWITCH DUE TO RADIATION BUILDUP ON THE SGTS FILTERS WOULD NOT BE SIGNIFICANT BECAUSE AT THOSE RADIATION LEVELS, THE HEAT GENERATED IN THE CHARCOAL WOULD BE SUFFICIENT TO PROVIDE SOME INLET AIR HUMIDITY REDUCTION.
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Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Unit: 1 Docket No: 50-254

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level: Yes: No:

FOURMENT PROPRIETION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS
Plant I.D. Number: FSL-1/2-7541-33A Component: FLOW SWITCH LOW	Temperature (°F)	104
Manufacturer: MERCOID	Pressure (PSIA)	14.7
Model Number: DA-533-2 R.1 Purchase Order Number:	Relative Humidity (%)	100
3620-158 SPEC R-2355 Function/Service: PROVIDES AUTO START	Chemical Spray	NA
FOR FAN 1/2-A-7506	Radiation (Rad)	2.3 EO5
Accuracy: Spec: NA Demo: NA Location RACK 2212-29A	Aging	NA
COLUMNS 9&M,UNIT 2 Elevation 666'6"	Submergence	NA .
Flood Level Elevation: NA Above Flood Level:		•

FOURMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
SYSTEM: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS
Plant I.D. Number: FSL-1/2-7541-33B Component: FLOW SWITCH LOW	Temperature (°F)	104
Manufacturer: MERCOID	Pressure (PSIA)	14.7
Model Number: DA-533-2 R.1	Relative Humidity (%)	100
Purchase Order Number: 3620-158 SPEC R-2355 Function/Service: PROVIDES AUTO START	Chemical Spray	NA
FOR FAN 1/2-B-7506	Radiation (Rad)	2.3 EO5
Accuracy: Spec: NA Demo: NA Location RACK 2212-29B	Aging	NA
COLUMNS 17&M,UNIT 1 Elevation 666'6"	Submergence	NA
Flood Level	 	G-0858-03

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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

> Elevation: Above Flood Level: Yes:

QUAD CITIES 50-254

EQUIPMENT DESCRIPTION	ENV↓RONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Edotriment Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REOD.	NA	REF.		
Plant I.D. Number: FSL-1/2-7541-8A,B Component: FLOW SWITCH LOW	Temperature (^F)	104	NOT REQD.	REF.	REF.		
Manufacturer: MERCOID	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: DA-533-3 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-158 SPEC R-2355 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	. NA	NA	NA		
	Radiation (Rad)	2.3 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA .	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS COMPONENT IS PART OF AN ELECTRONIC CONTROL SUBSYSTEM WHICH WILL BE REDESIGNED. THE FUNCTION OF THIS COMPONENT WILL BE HANDLED BY ELECTRONIC COMPONENTS ASSOCIATED WITH NEW TRANSMITTERS WHICH WILL BE ASSIGNED THE PLANT I-D'S FT-1/2-7541-1A,B. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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QUAD CITIES 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED. FOR THE FOLLOWING REASONS- THIS IS A LOW FLOW SWITCH USED TO TRIP THE SGTS AIR HEATER ON LOW FLOW. SINCE RADIATION IS THE ONLY HARSH ENVIRONMENT, FAILURE OF THE AIR HEATER OR SWITCH DUE TO RADIATION BUILDUP ON THE SGTS FILTERS
	WOULD NOT BE SIGNIFICANT BECAUSE AT THOSE RADIATION LEVELS, THE HEAT GENERATED IN THE CHARCOAL WOULD BE SUFFICIENT TO PROVIDE SOME INLET AIR HUMIDITY REDUCTION.

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOIFMENT DESCRIPTION	Parameter	Specification	
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: FSL-1/2-7541-8A Component: FLOW SWITCH LOW	Temperature (°F)	104	
Manufacturer: MERCOID	Pressure (PSIA)	14.7	
Model Number: DA-533-3	Relative Humidity (%)	100	
Purchase Order Number: 3620-158 SPEC R-2355 Function/Service: SHUT OFF A TRAIN	Chemical Spray	NA	
HEATER ON LOW FLOW	Radiation (Rad)	2.3 EO5	
Accuracy: Spec: NA Demo: NA Location RACK 2212-29A	Aging	NA	
COLUMNS 9 & M,UNIT2 Elevation 666'6"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:	L		

EQUIPMENT DESCRIPTION	ENVIRONMENT			
ECOTEMENT DESCRIPTION	Parameter	Specification		
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: FSL-1/2-7541-8B Component: FLOW SWITCH LOW	Temperature (°F)	104		
Manufacturer: MERCOID	Pressure (PSIA)	14.7		
Model Number: DA-533-3	Relative Humidity (%)	100		
Purchase Order Number: 3620-158 SPEC R-2355 Function/Service: SHUT OFF B TRAIN	Chemical Spray	NA NA		
HEATER ON LOW FLOW	Radiation (Rad)	. 2.3 EO5		
Accuracy: Spec: NA Demo: NA Location RACK 2212-29B	Aging	NA		
COLUMNS 17 & M,UNIT1 Elevation 666'6"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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COMMONWEALTH EDISON

Owner: Facility: Unit: Docket No:

Above Flood Level: Yes:

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QUAD CITIES

FOURMENT DEPORTED	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: MO-1/2-7504A,B Component: MOTOR OPERATED DAMPER	Temperature (°F)	104	NOT REQD.	REF.	REF.		
Manufacturer: LIMITORQUE WITH AC MOTOR	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: SMB-000-	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Purchase Order Number: 3620-192 SPEC R-2396 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.6 EO6		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level Elevation:	11		1		1	J	J

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT BY MARCH 31, 1985. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE VALVES ARE DESIGNED AS A REDUNDANT PAIR WITH EACH VALVE HAVING A NORMAL OPEN AND FAIL-SAFE OPEN OPERATION.

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COMMONWEALTH EDISON

Facility: QUAD CITIES Unit:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	B. THESE VALVES COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WILL NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE VALVES UNDERGO PERIODIC TESTING TO VERIFY OPERABILITY.
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Component Sheet No. 168 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

Docket No: 50-254

QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

.Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddi MENT BEGOM TION	Parameter	Specification	
System: STANDBY GAS TREATMENT •	Operating Time	CONTINUOUS	
Plant I.D. Number: MD-1/2-7504A Component: MOTOR OPERATED DAMPER	Temperature . (°F)	104	
Manufacturer: LIMITORQUE WITH AC MOTOR	Pressure (PSIA)	14.7	
Model Number: SMB-000-	Relative Humidity (%)	100	
Purchase Order Number: 3620-192 SPEC R-2396 Function/Service: UNIT 1/2 TURBINE BLDG	Chemical Spray	NA	
INLET ISOLATION	Radiation (Rad)	1.6 EO6	
Accuracy: Spec: NA Demo: NA Location 10' O" W OF COL N	Aging	NA	
15' O" N OF CDL 9 Elevation 674'6"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGGIFWENT DESCRIPTION	Parameter	Specification		
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS		
Plant (.D. Number: MO-1/2-7504B Component: MOTOR OPERATED DAMPER	Temperature (°F)	104		
Manufacturer: LIMITORQUE WITH AC MOTOR	Pressure (PSIA)	14.7		
Model Number: SMB-000- Purchase Order Number:	Relative Humidity (%)	100		
3620-192 SPEC R-2396 Function/Service: UNIT 1/2 TURBINE BLDG	Chemical Spray	NA		
INLET ISOLATION	Radiation (Rad)	1.6 EO6		
Accuracy: Spec: NA Demo: NA Location 10' O" W OF COL N	Aging	NA		
9' 0" N OF COL 18 Elevation 674'6"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: 1
Docket No: 50-254

Elevation:
Above Flood Level:
Yes: No

FOLURNANT DECORPTION	ENVIRONMENT .		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual,	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: MO-1/2-7505A,B Component: MOTOR OPERATED DAMPER	Temperature (*F)	104	NOT REQD.	REF.	REF.		
Manufacturer: LIMITORQUE AC MOTOR ALLIS CHALMERS	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: SMB-OO- Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-192 SPEC R-2396 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.3 EO6		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES .
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT BY MARCH 31, 1985. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE VALVES ARE DESIGNED AS A REDUNDANT PAIR WITH EACH VALVE HAVING A NORMAL OPEN AND FAIL-SAFE OPEN OPERATION.

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COMMONWEALTH EDISON

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	B. THESE VALVES COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WILL NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE VALVES UNDERGO PERIODIC TESTING TO VERIFY OPERABILITY.
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Component Sheet No. 171 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFWENT DESCRIPTION	Parameter	Specification	
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: MO-1/2-7505A Component: MOTOR OPERATED DAMPER	Temperature (°F)	104	
Manufacturer: LIMITORQUE AC MOTOR ALLIS CHALMERS	Pressure (PSIA)	14.7	
Model Number: SMB-00-	Relative Humidity (%)	100	
Rurchase Order Number: 3620-192 SPEC R-2396 Function/Service: INLET DAMPER	Chemical Spray	NA	
	Radiation (Rad)	1.3 EO6	
Accuracy: Spec: NA Demo: NA Location 10' O" W OF COL N	Aging	NA .	
16' 6" N DF CDL 9 Elevation 673' O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTPINENT DESCRIPTION	Parameter	Specification	
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: MO-1/2-7505B Component: MOTOR OPERATED DAMPER	Temperature (*F)	104	
Manufacturer: LIMITORQUE AC MOTOR ALLIS CHALMERS	Pressure (PSIA)	14.7	
Model Number: SMB-OO- Purchase Order Number:	Relative Humidity (%)	100	
3620-192 SPEC R-2396 Function/Service: INLET DAMPER	Chemical Spray	NA .	
	Radiation (Rad)	1.3 EO6	
Accuracy: Spec: NA Demo: NA Location 10' O" W OF COL N	Aging	NA	
8' 6" N OF COL 18 Elevation 673' O"	Submergence	NA	
Flood Level Elevation: NA	· · · · · · · · · · · · · · · · · · ·	G-0858-03	

Revision Date

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

ENVIRONMENT DOCUMENTATION REFERENCES QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: G Operating STANDBY GAS TREATMENT CONTINUOUS NOT NA REF. Time REQD. (A) Plant I.D. Number: Temperature MO-1/2-7507 104 NOT REF. REF. (°F) Component: REQD. (B) (A) MOTOR OPERATED DAMPER Pressure Manufacturer: 14.7 REF. REF. NOT (PSIA) LIMITORQUE AC MOTOR REQD. (B) (A) ALLIS CHALMERS Model Number: Relative TYPE SMB-REF. 100 NOT REF. Humidity (%) REQD. (B) (A) Purchase Order Number: 2620-192 Chemical SPEC R-2396 NA NA NA NΑ Spray Function/Service: B TRAIN FAN DISCHARGE DAMPER Radiation 2.1 EO6 REF. SEE NOTE (Rad) (C) (1) Accuracy: Spec: NΑ Aging REF. Demo: NA NΑ NOT REF. (D) (E) Location: REQD. 18' O" W OF COL N 5' 2" N OF COL 16 Submergence Elevation: NA NΑ NA NA 674' 6" Flood Level

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MARCH 1985. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED
and the second s	

Component Sheet No. 173 Revision:

Date:

Owner:

COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

Docket:

50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	FOR THE FOLLOWING REASONS- A. THESE VALVES ARE DESIGNED AS A REDUNDANT PAIR WITH EACH VALVE HAVING A NORMAL OPEN AND FAIL-SAFE OPEN OPERATION. B. THESE VALVES COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WILL NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE VALVES UNDERGO PERIODIC TESTING
	TO VERIFY OPERABILITY.

Component Sheet No: 174 Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Facility:

Elevation: NA Above Flood Level: Yes:

No:

Owner:

QUAD CITIES

Unit: Docket No: 50-254

ENVIRONMENT DOCUMENTATION REFERENCES QUALIFICATION OUTSTANDING EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Qual. Spec. NA System: G Operating STANDBY GAS TREATMENT CONTINUOUS NOT REF. Time REOD. (A) Plant I.D. Number: Temperature MO-1/2-7507A REF. 104 NOT REF. (°F) Component: (B) (A) REOD. MOTOR OPERATED DAMPER Pressure REF. REF. Manufacturer: 14.7 NOT (PSIA) LIMITORQUE AC MOTOR REOD. (B) (A) (RELIANCE) Model Number: Relative TYPE SMB REF. 100 NOT REF. Humidity (%) REQD. (B) (A) Purchase Order Number: 3620-192 Chemical SPEC R-2396 NA NA NA NA Spray Function/Service: A TRAIN FAN DISCHARGE DAMPER Radiation 2.3 EO6 REF. SEE NOTE (Rad) (C) (1) Accuracy: Spec: NA Aging Demo: NΑ NOT REF. REF. NΑ Location: REQD. (D) (B) 18' O" W OF COL N 16' 6" N OF COL 9 Submergence Elevation: NA NA NA NA 674'6" Flood Level

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT BY MARCH 31, 1985. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE VALVES ARE DESIGNED AS A REDUNDANT PAIR WITH EACH VALVE HAVING A NORMAL OPEN AND 'FAIL-SAFE OPEN OPERATION.

Component Sheet No. 175 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	B. THESE VALVES COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WILL NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE VALVES UNDERGO PERIODIC TESTING TO VERIFY OPERABILITY.
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Revision 2
Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: 1
Docket No: 50-254

Elevation:
Above Flood Level:
Yes: No

COLUMNATION DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS	
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		·
Plant I.D. Number: TSH-1/2-7541-11A,B Component: TEMPERATURE SWITCH	Temperature (°F)	104	NOT REQD	REF.	REF.		
HIGH Manufacturer: CHROMALOX	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: BI-MET THM SW Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-162 SPEC R-2367 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	N A	NA	NA	NA .		
	Radiation (Rad)	1.3 EO7		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	AA	. NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	·NA	NA	NA	NA		
Flood Level	<u> </u>	-			J	<u> </u>	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON-

Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH 'EDISON

Facility: Unit: Docket: QUAD CITIES

1 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)		
	THESE ARE LOW FLOW SWITCHES USED TO TRIP THE SGTS AIR HEATER ON LOW FLOW. SINCE RADIATION IS THE ONLY HARSH ENVIRONMENT, FAILURE OF THE AIR HEATER OR SWITCH DUE TO RADIATION BUILDUP ON THE SGTS FILTERS WOULD NOT BE SIGNIFICANT BECAUSE AT THESE RADIATION LEVELS (1-2EO8RADS) THE HEAT GENERATED IN THE CHARCOAL WOULD BE SUFFICIENT TO PROVIDE SOME INLET AIR HUMIDITY REDUCTION.		

Revision 2

Date: 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

Yes:

Docket No: 50-254

QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
	Parameter	Specification	
System: STANDBY GAS TREATMENT	Operating , Time	CONTINUOUS	
Plant I.D. Number: TSH-1/2-7541-11A Component: TEMPERATURE SWITCH	Temperature (^F)	104	
HIGH Manufacturer: CHROMALOX,	Pressure (PSIA)	14.7	
Model Number: BI-MET THM SW Purchase Order Number:	Relative Humidity (%)	100	
3620-162 SPEC R-2367 Function/Service: SHUTS OFF HEATER	Chemical Spray	NA	
1/2-A-7503 ON HIGH TEMPERATURE:	Radiation (Rad)	1.3 EO7	
Accuracy: Spec: NA Demo: NA Location BETWEEN COLUMNS	Aging	NA	
M&N AND 8&9 Elevation 666'6"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:			

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTFWENT DESCRIPTION	Parameter	Specification		
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: TSH-1/2-7541-11B. Component: TEMPERATURE SWITCH	Temperature (°F)	104		
HIGH Manufacturer: CHROMALOX	Pressure (PSIA)	14.7		
Model Number: BI-MET THM SW	Relative Humidity (%)	100		
Purchase Order Number: 3620-162 SPEC R-2367 Function/Service: SHUTS OFF HEATER	Chemical Spray	NA		
1/2-B-7503 ON HIGH TEMPERATURE.	Radiation (Rad)	1.3 EO7		
Accuracy: Spec: NA Demo: NA Location BETWEEN COLUMNS M-17	Aging	NA		
& N-17 Elevation 666'6"	Submergence	• NA		
Flood Level Elevation: NA		G-0858-03		

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

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Facility: Unit:

Docket No:

Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: 1/2-A,B-7503 Component: ELECTRIC AIR HEATER	Temperature (^F)	104	NOT REQD.	REF.	REF.		
Manufacturer: EDWIN L. WIEGLAND	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-163 SPEC R-2367 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA ·	NA		
	Radiation (Rad)	1.3 EO7		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THESE COMPONENTS WILL BE QUALIFIED TO THE PARAMETERS LISTED ABOVE BY ANALYSIS. FINAL ANALYSIS FOR QUALIFICATION OF THESE COMPONENTS WILL BE COMPLETED BY AUGUST 1, 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON-

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COMMONWEALTH EDISON

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Unit: Docket:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	SINCE RADIATION IS THE ONLY HARSH ENVIRONMENT, FAILURE OF THE AIR HEATER DUE TO RADIATION BUILDUP ON THE SGTS FILTERS WOULD NOT BE SIGNIFICANT BECAUSE AT THOSE RADIATION LEVELS, THE HEAT GENERATED IN THE CHARCOAL WOULD BE SUFFICIENT TO PROVIDE SOME INLET AIR HUMIDITY REDUCTION.

Component Sheet No. 181 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		
EUGIFIMENT DESCRIPTION	Parameter	Specification		
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: 1/2-7503A Component: ELECTRIC AIR HEATER	Temperature (°F)	104		
Manufacturer: EBWIN L. WIEGLAND	Pressure (PSIA)	14.7		
Model Number:	Relative Humidity (%)	100		
Purchase Order Number: 3620-163 SPEC R-2367 Function/Service: HEAT/DRY	Chemical Spray	АИ		
INLET GAS	Radiation (Rad)	1.3 EO7		
Accuracy: Spec: NA Demo: NA Location 10' O" W DF COL N	Aging	NA		
10' 0" N OF COL 9 Elevation 670' 0"	Submergence	- NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1/2-7503B Component: ELECJRIC AIR HEATER	Temperature (°F)	104
Manufacturer: EDWIN L. WIEGLAND	Pressure (PSIA)	14.7
Model Number:	Relative Humidity (%)	100
Purchase Order Number: 3620-163 SPEC R-2367 Function/Service: HEAT/DRY	Chemical Spray	NA
INLET GAS	Radiation (Rad)	1.3 EO7
Accuracy: Spec: NA Demo: NA Location 10' O" W DF CDL N	Aging	NA NA
15' 0" N OF COL 18 Elevation 670' 0"	Submergence	NA
Flood Level		G-0858-03

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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

> Elevation: Above Flood Level: Yes:

No:

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EQUIPMENT DESCRIPTION	ENVIPONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EUDIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: 1/2-7506-A.B Component: MOTOR-EXHAUST FAN	Temperature (^F)	104	NOT REQD	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 5K256BK2O38 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-184 SPEC R- Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	2.4 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level			.l		<u> </u>	L	1

DOCUMENTATION REFERENCES	NOTES		
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- THESE MOTORS HAVE CLASS B INSULATION. OTHER		

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	MOTORS WITH CLASS B INSULATION HAVE BEEN TESTED TO GREATER THAN OR EQUAL TO 2EO7 RADS AND QUALIFIED. IT IS EXPECTED THIS INSULATION WOULD NOT SUFFER RADIATION FAILURE FOR THE SPECIFIED DOSE (2.2 EO6 RADS).
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Component Sheet No. 184 Revision 2

Date: 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA
Above Flood Level:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTI MENT DESCRIT TION	Parameter	Specification
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1/2-7506A Component: MOTOR-EXHAUST FAN	Temperature (°F)	104
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K256BK2O38 Purchase Order Number:	Relative Humidity (%)	100
3620-184 SPEC R- Function/Service: SYSTEM EXHAUST FAN	Chemical Spray	NA
	Radiation (Rad)	2.4 EO5
Accuracy: Spec: NA Demo: NA Location 15'9" E OF COL.M	Aging	NA
8'0" S OF COL.10 Elevation 671'0"	Submergence	NA .
Flood Level Elevation: NA Above Flood Level:	<u> </u>	

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGGRIVIENT DESCRIPTION	Parameter	Specification
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1/2-7506B Component: MOTOR-EXHAUST FAN	Temperature (°F)	104
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 5K256BK2038 Purchase Order Number:	Relative Humidity (%)	100
3620-184 SPEC R- Function/Service: SYSTEM EXHAUST FAN	Chemical Spray	NA
	Radiation (Rad)	2.4 EO5
Accuracy: Spec: NA Demo: NA Location 10'0" W DF COL.N	Aging	, NA
17'0" S OF COL.15 Elevation 671'0"	Submergence	NA
Flood Level	<u> </u>	G-0858-03

G-0858-03

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

> Elevation: Above Flood Level: Yes:

No:

QUAD CITIES

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COURMENT PROPRIETION	ENVIRONMENT			DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification .	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: 2212-29A&B Component: LOCAL CONTROL PANEL	Temperature (*F)	104	NOT REQD.	REF. (B)	REF.		
Manufacturer: "HARLO	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: D12971 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA .	NA	NA		
	Radiation (Rad)	1.3 EO6		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA a	NA	NA .	NA		

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. NO QUALIFIED COMPONENTS HAVE BEEN LOCATED IN THE MARKETPLACE FOR THIS INTEGRATED DOSE. THE PANELS WILL BE RELOCATED AND/OR SHIELDING WILL BE PROVIDED TO REDUCE EXPOSURE TO NON HARSH LEVELS BY MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON QUAD CITIES

Facility:

Unit: Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	FOLLOWING REASON- THIS PANEL CONTAINS RELAYS AND A TIMER. THE SYSTEM CAN BE OPERATED WITHOUT THE TIMER. THE RELAYS CONTAIN BAKELITE AND NYLON. FOR THE SPECIFIED SERVICE BOTH ARE EXPECTED TO PERFORM THEIR REQUIRED FUNCTION.
	-

Revision 2

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

666'6"

Flood Level

Yes:

Elevation: NA

Above Flood Level:

1

QUAD CITIES

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ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating STANDBY GAS TREATMENT CONTINUOUS Time Plant I.D. Number: Temperature 2212-29A 104 (°F) Component: LOCAL CONTROL PANEL Pressure Manufacturer: 14 7 (PSIA) HARLO Model Number: Relative D12971 100 Humidity (%) Purchase Order Number: 12971 Chemical NA Spray Function/Service: CONTAINS RELAYS AND CABLE FOR STANDBY GAS Radiation TREATMENT SYSTEM 1.3 E06 (Rad) CONTROLS. Accuracy: Spec: NA Aging Demo: NA N.A Location NEAR COLUMNS 9&M Submergence Elevation NΔ

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGGIFINEINI DESCRIFTION	Parameter	Specification		
System: STANDBY GAS TREATMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: 2212-29B Component: LOCAL CONTROL PANEL	Temperature (°F)	104		
Manufacturer: HARLO	Pressure (PSIA)	14.7		
Model Number: D12971	Relative Humidity (%)	100		
Purchase Order Number: Function/Service: CONTAINS RELAYS AND	Chemical Spray	NA		
CABLE FOR STANDBY GAS TREATMENT SYSTEM CONTROLS.	Radiation (Rad)	1.3 EO6		
Accuracy: Spec: NA Demo: NA Location NEAR COLUMNS 17&M	Aging	NA		
Elevation 666′6″	Submergence	NA		
Flood Level		G-0858-03		

Component Sheet No: 188 Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

> Flood Level Elevation: Above Flood Level: Yes:

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

ENVIRONMENT DOCUMENTATION REFERENCES OUTSTANDING QUALIFICATION EQUIPMENT DESCRIPTION ITEMS METHOD Specification Parameter Qualification Spec. Qual. System: Operating SERVICE WATER CONTINUOUS NOT NA REF. Time REQD. (A) Plant I.D. Number: Temperature 1-5746A,B 114 NOT REF. REF. (°F) Component: (B) (A) REQD. ROOM COOLER FAN MOTOR Pressure Manufacturer: NOT REF. REF. 14.7 (PSIA) GENERAL ELECTRIC REQD. (C) (A) Model Number: Relative 5K213AK2476 100 NOT REF. REF. Humidity (%) REQD. (C) (A) Purchase Order Number: 3620-189 Chemical NA NA NA NA Spray Function/Service: SEE ATTACHED SHEETS Radiation 5.1 EQ5 REF. SEE NOTE (Rad) (D) (1) Accuracy: Spec: Aging NOT REF. Demo: NΑ REF. Location: REQD. (E) (F) SEE ATTACHED SHEETS Submergence Elevation: NA NΑ NA NA SEE ATTACHED SHEETS

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FIELD MEASUREMENT C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THE FOLLOWING REASON- THESE MOTORS HAVE CLASS B INSULATION. OTHER MOTORS WITH CLASS B INSULATION HAVE BEEN TESTED TO GREATER THAN OR EQUAL TO 2EO7 RADS AND QUALIFIED. IT IS EXPECTED THIS INSULATION WOULD NOT SUFFER RADIATION FAILURE FOR THE SPECIFIED DOSES (1.5 EO5 RADS).
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Revision 2

Date: 05-01-83

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COMMONWEALTH EDISON

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QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EUGIPMENT DESCRIPTION	Parameter	Specification		
System: SERVICE WATER	Operating Time	CONTINUOUS		
Plant I.D. Number: 1-5746A Component: ROOM COOLER	Temperature (°F)	114		
FAN MOTOR Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 5K213AK2476	Relative Humidity (%)	100		
Purchase Order Number: 3620-189 Function/Service: RHR A ROOM EMERGENCY	Chemical Spray	NA		
VENTILATION COOLER	Radiation (Rad)	5.1 EO5		
Accuracy: Spec: NA Demo: NA Location NE CORNER ROOM	Aging	NA		
Elevation 570'0"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

	1	ENVIRONMENT			
EQUIPMENT DESCRIPTION	ENVIRUNINENI				
	Parameter	Specification			
System: SERVICE WATER	Operating Time	CONTINUOUS			
Plant I.D. Number: 1–5746B Component: ROOM COOLER	Temperature (°F)	114			
FAN MOTOR Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7			
Model Number: 5K213AK2476	Relative Humidity (%)	100			
Purchase Order Number: 3620-189 Function/Service: RHR B ROOM EMERGENCY	Chemical Spray	NA			
VENTILATION COOLER	Radiation (Rad)	5.1 EO5			
Accuracy: Spec: NA Demo: NA Location SE CORNER ROOM	Aging	NA			
Elevation 570'0"	Submergence	NA			
Flood Level Elevation: NA		G-0858-03			

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COMMONWEALTH EDISON

Facility: Unit:

Owner:

QUAD CITIES

Unit: 1 Docket No: 50

Elevation:
Above Flood Level:
Yes: No

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EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	• Qualification	Spec.	Qual.	METHOD	ITEMS
System: SERVICE WATER	Operating Time	30 DAYS	NOT REQD.	REF.	REF.		
Plant I.D. Number: 1-5748-A,B Component: ROOM COOLER	Temperature (°F)	114	NOT REQD.	REF.	REF.		
FAN MOTOR Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 5K184AL2151 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
3620-189 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	1.5 EO5		ŘEF. (E)			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: . SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURES 5.2.17 AND 5.2.18 B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THE FOLLOWING REASON- THESE MOTORS HAVE CLASS B INSULATION. OTHER MOTORS WITH CLASS B INSULATION HAVE BEEN TESTED TO GREATER THAN OR EQUAL TO 2EO7 RADS AND QUALIFIED. IT IS EXPECTED THIS INSULATION WOULD NOT SUFFER RADIATION FAILURE FOR THE SPECIFIED DOSES (1.5 EO5 RADS).

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COMMONWEALTH EDISON '

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	E	ENVIRONMENT
EGOIFMENT BESCRIPTION	Parameter	Specification
System: SERVICE WATER	Operating Time	30 DAYS
Plant I.D. Number: 1-5748A Component: ROOM COOLER	Temperature (°F)	114
FAN MOTOR Manufacturer: GENERAL ELECTRIC	Pressure (PS1A)	14.7
Model Number: 5K184AL2151	Relative Humidity (%)	100
Purchase Order Number: 3620-189 Function/Service: CORE SPRAY ROOM	Chemical Spray	NA .
EMERGENCY VENTILATION COOLER	Radiation (Rad)	1.4 ED5
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA ·
Elevation 560'0"	Submergence	NΔ
Flood Level Elevation: NA Above Flood Level: Yes: No:		

		:		
EQUIPMENT DESCRIPTION	ENVIRONMENT			
EddirMent Description	Parameter	Specification		
System: SERVICE WATER	Operating Time	30 DAYS		
Plant 1.D. Number: 1-5748B Component: ROOM COOLER	Temperature (°F)	114		
FAN MOTOR Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 5K184AL2151 Purchase Order Number:	Relative Humidity (%)	100		
3620-189 Function/Service: CORE SPRAY ROOM	Chemical Spray	. NA		
EMERGENCY VENTILATION COOLER	Radiation (Rad)	1.5 EO5		
Accuracy: Spec: NA Demo: NA Location SW CORNER ROOM	Aging	NA		
Elevation 560'0"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

ALL COMPONENTS IN THIS SYSTEM

ARE LOCATED IN A MILD ENVIRONMENT

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COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Unit: 1 Docket No: 50-254

Above Flood Level: Yes: No

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
ECOTPWENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE		REF.			
Plant I.D. Number: SEE ATTACHED SHEETS Component: TEMPERATURE SWITCH	Temperature (°F)	200		REF.			SEE NOTE
Manufacturer: FENWAL	Pressure (PSIA)	27.5		REF.			SEE NOTE
Model Number: 17002-40	Relative Humidity (%)	100	······································	REF.			SEE NOTE
Purchase Order Number: GE H1184 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	<1.0 EO4		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F		REF.			SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.2.1 AND AS SOON AS STEAM LINE BREAK OCCURS IN THE STEAM TUNNEL, THE SENSORS DETECT HIGH TEMPERATURE AND THEIR FUNCTION IS OVER. C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. A. A PERIODIC CALIBRATION IN ACCORDANCE WITH CALIBRATION PROCEDURE QIS 26-1 IS PERFORMED ON THESE COMPONENTS WHICH JUSTIFIES THAT THESE ARE OPERATIONAL DURING THE REQUIRED SERVICE CONDITIONS. THE MAXIMUM OPERATING TEMPERATURE OF THE SWITCHES BY DESIGN IS 600F, WHICH IS ABOVE

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THE REQUIRED OPERATING TEMPERATURE. B. THESE COMPONENTS WILL BE QUALIFIED BY ENGINEERING ANALYSIS BY MAY, 1984.

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Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Edon MENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-15A Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL		1.4 EO6 RADS
Elevation 595′O"	Submergence .	NA
Flood Level Elevation: NA Above Flood Level:		

EQUIDMENT DECORIDATION	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-15B Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL Elevation 595′ O"	Submergence	1.4 EOG RADS NA
Flood Level Elevation: NA	<u> </u>	G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGOTEWIENT DESCRIPTION	Parameter	Specif-cation
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-15C Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NΔ
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL	Aging	150 F 1.4 EO6 RADS
Elevation 595' O"	Submergence	NA NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION	MENT DESCRIPTION ENVIRONMENT	
EGGIT MENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-15D Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL	Aging	150 F 1.4 EO6 RADS
Elevation 595' O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA

Above Flood Level:

No:

Yes:

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Elevation: NA

Above Flood Level:

Yes:

ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating CONTAINMENT <1 MINUTE Time ISOLATION Plant I.D. Number: Temperature TS-1-261-16A 200 (^F) Component: TEMPERATURE SWITCH Pressure Manufacturer: 27.5 (PSIA) FENWAL Model Number: Relative 17002-40 100 Humidity (%) Purchase Order Number: GE H1184 Chemical NΑ Spray Function/Service: MAIN STEAM LINE LEAK DETECTION Radiation <1.0 EO4 (Rad) Accuracy: Spec: NA Aging Demo: NA 150 F Location STEAM TUNNEL 1.4 EOG RADS Submergence Elevation NA 595' 0" Flood Level

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGOTPMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-16B Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL	Aging	150 F 1.4 EO6 RADS
Elevation 595' O"	Submergence	NA NA
Flood Level		G-0858-03

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Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Edon Mein Deschi Fron	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-16C Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL		1.4 EOG RADS
Elevation 595′0"	Submergence	NA.
Flood Level Elevation: NA Above Flood Level:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EduleMent Description	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-16D Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL	Aging	150 F 1.4 EOG RADS
Elevation 595' O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

Above Flood Level:

No:

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Yes:

No:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT .	
· DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-17A Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PS1A)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL		1.4 EOG RADS
Elevation 606' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

FOURDMENT DECORIDATION		ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE	
Plant 1.D. Number: TS-1-261-17B Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: FENWAL	Pressure (PSIA)	27.5	
Mode! Number: 17002-40	Relative Humidity (%)	100	
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA	
LEAK DETECTION	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
STEAM TUNNEL Elevation 606′ O"	Submergence	1.4 EOG RADS NA	
Flood Level Elevation: NA		G-0858-03	

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Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGOTFMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-17C Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40 Purchase Order Number:	Relative Humidity (%)	100
GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA .
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL		1.4 EO6 RADS
Elevation 606' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level:		

EQUIPMENT DESCRIPTION	<u> </u>	ENVIRONMENT			
EGOT MENT DESCRIPTION	Parameter	Specification			
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE			
Plant I.D. Number: TS-1-261-17D Component: TEMPERATURE SWITCH	Temperature (°F)	200			
Manufacturer: FENWAL	Pressure (PS1A)	27.5			
Model Number: 17002-40	Relative Humidity (%)	100			
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA			
LEAK DETECTION .	Radiation (Rad)	<1.0 EO4			
Accuracy: Spec: NA Demo: NA Location	Aging	150 F			
STEAM TUNNEL		1.4 EOG RADS			
Elevation 606′ O"	Submergence	NA NA			
Flood Level Elevation: NA		G-0858-03			

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level; Yes:

EQUIPMENT DESCRIPTION		ENVIRONMEŅT
EGOTFWENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTÉ
Plant 1.D. Number: TS-1-261-18A Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002~40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL	Aging	150 F 1.4 EOG RADS
Elevation 606' O"	Submergence	NA NA
Flood Level Elevation: NA Above Flood Level; Yes: No:		

EQUIDMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-18B Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	Pressure (PSIA)	27.5
Model Number: 17002-40 Purchase Order Number:	Relative Humidity (%)	100
GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA
LEAK DETECTION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL Elevation 606′ O"	Submergence	1.4 EOG RADS NA
Flood Level Elevation: NA	·	G-0858-03

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Date: 05-01-83

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COMMONWEALTH EDISON

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

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EQUIPMENT DESCRIPTION		ENVIRONMENT
230 men beson How	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-261-18C Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: FENWAL	(PSIA)	27.5
Model Number: 17002-40	Relative Humidity (%)	100
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical . Spray	NA NA
LEAK DETECTION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
STEAM TUNNEL		1.4 EO6 RADS
Elevation 606' O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

FOURMENT DECORRESTON		ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification			
System: CONTAINMENT ISOLATION	Operating Time	<1 MINUTE			
Plant 1.D. Number: TS-1-261-18D Component: TEMPERATURE SWITCH	Temperature (°F)	200			
Manufacturer: FENWAL	Pressure (PS1A)	27.5			
Model Number: 17002-40	Relative Humidity (%)	100			
Purchase Order Number: GE H1184 Function/Service: MAIN STEAM LINE	Chemical Spray	NA			
LEAK DETECTION	Radiation (Rad)	<1.0 EO4			
Accuracy: Spec: NA Demo: NA Location	Aging	150 F			
STEAM TUNNEL Elevation 606' O"	Submergence	1.4 EOG RADS NA			
Flood Level Elevation: NA		G-0858-03			

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SYSTEM COMPONENT EVALUATION WORKSHEET Docket No:

DOCUMENTATION REFERENCES ENVIRONMENT OUTSTANDING QUALIFICATION EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Qual. Spec. System: Operating CONTAINMENT ISOLATION 30 SECONDS -SEE NOTE REF. (A) (1) Plant I.D. Number: Temperature SEE NOTE MO-1-1201-2 334 REF. Component: (B) (1) MOTOR OPERATED GATE VALVE Pressure Manufacturer: 63.0 REF. SEE NOTE (PSIA) LIMITORQUE (PEERLESS) (C) (1) AC MOTOR Model Number: Relative SMB-00-10 100 REF. SEE NOTE Humidity (%) (C) (1) Purchase Order Number: SPEC R-2358 Chemical SEE NOTE SEE NOTE DEMIN NOT REF. Spray Function/Service: WATER REOD. (D) (2) (1) REACTOR WATER CLEANUP INBOARD ISOLATION Radiation VALVE <1.0 E04 2.0 E08 REF. REF. SEQUUENTIAL (Rad) (F) TEST (E) Accuracy: Spec: NA Aging SEQUENTIAL Demo: NΑ 150F 155C FOR REF. REF. Location: 100 HOURS (G) (F) TEST INSIDE DRYWELL 1.1 EO6 RADS Submergence NA NA Elevation: NA NA 602'10"

F1000	Levei		
	ation:		
Above	Flood	Lev	el:
	Yes.	¥	No

DOCUMENTATION REFERENCES	NOTES		
A. TECH SPEC TABLE 3.7.1 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE COMPONENTS ARE DESIGNED AS REDUNDANT PAIRS, EACH SEPARATED FROM THE OTHER WITH		

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
F. REPORT NO.WCAP 7410-L TEST ON LIMITORQUE VALVE MOTOR OPERATORS. G. NEDO REPORT 24217, TABLE 4-3	ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. B. THESE COMPONENTS COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE COMPONENTS UNDERGO PERIODIC FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE RELATED DEGRADATION.
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Unit: Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

	· ·	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	30 SECONDS	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-1201-5 Component: MOTOR OPERATED	Temperature (*F)	218	250	REF.	REF.	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) DC MOTOR	Pressure (PSIA)	17.0	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-00-15 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: REACTOR WATER CLEANUP	Chemical Spray	NA	NA	NA	NA		
OUTBOARD ISOLATION VALVE	Radiation (Rad)	<1.0 EO4	1.0 E07	REF.	REF.	SIMILARITY TEST	
Accuracy: Spec: NA Demo: NA Location: RWCU HX ROOM NEAR	Aging	4.1 EO6 RADS	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
PEN, AZIMUTH 270 Elevation: 625'0"	Submergence	NA	NA .	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7.1 B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE LETTER J. R. DRAB TO J. HINK DATED OCT 24, 1980. C. THIS REPORT SECTION 4.3.2 D. BECHTEL RADIATION STUDY	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. NEDO REPORT 24217, TABLE 4-3	
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Elevation: 583'0" Above Flood Level: Yes: X No:

	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	35 SECONDS		REF.			SEE NOTE
Plant I.D. Number: MO-1-220-1 Component: MOTOR OPERATED GLOBE	Temperature (°F)	334		REF.			SEE NOTE
VALVE Manufacturer: LIMITORQUE(PEERLESS) AC MOTOR	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number: SMB-000-5 Purchase Order Number:	Relative Humidity (%)	100		REF.	·		SEE NOTE
3620-125 SPEC R-2358 Function/Service: MAIN STEAM LINE,	Chemical Spray	DEMIN WATER		REF.			SEE NOTE
DRAIN CONTAINMENT ISOLATION VALVE	Radiation (Rad)	< 1.0 E04	2.0 E08	REF.	REF.	·	
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150 F 1.1 EO6 RADS	311 F FOR 100 HR	REF.	REF.		
BASE OF MSIV Elevation: 589'0"	Submergence	NA	. NA .	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THIS COMPONENT IS DESIGNED AS A REDUNDANT PAIR WITH MO-1-220-2, EACH SEPARATED FROM

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Dete: 05-01-83

Owner:

COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

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	•	DOCUMENTATION REFERENCES (cont.)			NOTES (cont.)
	OPERATORS	CAP 7410-L TEST ON LIMITORQUE 24217, TABLE 4-3	VALVE	В.	THE OTHER WITH ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. THIS COMPONENT COMPLETES ITS FUNCTION
					IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD.
				С.	THIS COMPONENT UNDERGOES PERIODIC FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE RELATED DEGRADATION.
					IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION INCIDENT AT DRESDEN UNIT 2. OTHER VALVES ARE AVAILABLE ON
				. .	THE MAIN STEAM LINE DRAIN LINES TO PERFORM THE ISOLATION FUNCTION SHOULD VALVE MO-1-220-1 FAIL TO CLOSE.
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Revision 2

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Facility: Unit: QUAD CITIES

Docket No: 50-254

Above Flood Level: Yes: No

EQUIPMENT DESCRIPTION		ENVIRONMENT	DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	35 SECONDS	16 DAYS	REF.	REF. (B)	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-220-2 Component: MOTOR OPERATED GLOBE	Temperature (*F)	304	250	REF.	REF.	SIMULTANEOUS TEST	
VALVE Manufacturer: LIMITORQUE(PEERLESS) DC MOTOR	Pressure (PSIA)	27.5	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-00-7.5 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
J620-125 Function/Service: MAIN STEAM LINE.	Chemical Spray	NA	NA .	NA	NA		
DRAIN CONTAINMENT ISOLATION VALVE	Radiation (Rad)	<1.0 E04	2.0 E07	REF.	REF.		
Accuracy: Spec: NA Demo: NA Location: STEAM TUNNEL NEAR	Aging	150 F	165 F FOR 199.8 HRS	REF.	REF.		
DRYWELL PENETRATION Elevation: 589'O"	Submergence	NA	NA	NA	NA		
Flood Level Elevation: NA	LL		. , , , , , , , , , , , , , , , , , , ,		<u></u>	<u> </u>	l

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. REPORT NO. 600461-B0003, QUALIFICATION TYPE TEST REPORT- LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. LIMITORQUE REPORT NO. B0027 LIMITORQUE ACTUATOR TEMPERATURE RELATED TO HIGH SUPERHEAT AMBIENT TEMPERATURES. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY	

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SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INGREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD C. SUMMARY OF TEMPERATURE TRANSFERT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATEO NOVEMBER 1982 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 D. BECHTEL RADIATION STUDY	

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Facility: Unit: Docket No:

Elevation: NA Above Flood Level: Yes:

No:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTAT	DOCUMENTATION REFERENCES		OUTSTANDING
Edon MENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	10 MINUTES	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO - 1 - 3702 Component: MOTOR OPERATED	Temperature (°F)	120	250	REF.	REF.	SIMULTANEOUS TEST	
VALVE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: SMB-2-40 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: CONTAINMENT	Chemical Spray	NA	NA	NA	NA		
ISOLATION VALVE	Radiation (Rad)	1.1 EO5	2.0 E07	REF.	REF.	INDIVIDUAL TEST	
Accuracy: Spec: NA Demo: NA Location: TOP OF TORUS	Aging	NA	165 F FOR 199.8 HOURS	REF. (F)	REF.	SEQUENTIAL TEST	
NEAR 45 AZIMUTH Elevation: 590'0"	Submergence	NA	NA	NA	NA		
Flood Level	<u> </u>		<u> </u>			L	

	DOCUMENTATION REFERENCES	NOTES	
Ā.	FSAR TABLE 8.2.3		
В.	REPORT NO 600461-B0003 QUALIFICATION TYPE		
	TEST REPORT LIMITORQUE VALVE ACTUATORS		
	FOR CLASS IE SERVICE OUTSIDE PRIMARY		
	CONTAINMENT.		1
c.	THIS COMPONENT WILL COMPLETE ITS FUNCTION WITHIN		1
	10 MINUTES. DURING THAT TIME INTERVAL THE ENVIRON-		

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NOTES (cont.)
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Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTPWENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	10 MINUTES	16 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: MO-1-3703 Component: MOTOR OPERATED	Temperature (°F)	120	250	REF.	REF. (B)	SIMULTANEOUS TEST	
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS)	Pressure (PSIA)	14.7	39.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE SMB-000-5 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
3620-125 SPEC R-2358 Function/Service: RBCCW DRYWELL	Chemical Spray	NA	NA	NA	NA		
RETURN ISOLATION	Radiation (Rad)	1.1 EO5	2.0 E07	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: TOP OF TORUS	Aging	NA	165 F FOR 199.8 HOURS	REF.	REF.	SEQUENTIAL TEST	
NEAR 45 AZIMUTH Elevation: 513' 9"	Submergence	NA	NA	NA .	NA		
Flood Level		 	<u> </u>		<u> </u>		<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 8.2.3 B. REPORT NO. 600461-B0003. QUALIFICATION TYPE TEST REPORT LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. REFERENCE LIMITORQUE LETTER DATED MAY 19, 1981 J. B. DRAB TO J. HINK. D. FSAR SECTION 10.10	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	
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	·

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Date 05-01-83

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Unit: Docket No: QUAD CITIES

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Elevation: 583' 0"
Above Flood Level:
Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
ECOTPMENT DESCRIPTION	Parameter	Specification	ecification Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	10 MINUTES		REF.		e	SEE NOTE
Plant I.D. Number: MO-1-3706 Component: MOTOR-OPERATED	Temperature (°F)	334		REF.			SEE NOTE
GATE VALVE Manufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number: SMB-000-5	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number:		<u> </u>					<u> </u>
3620-125 SPEC R-2358 Function/Service: RBCCW DRYWELL	Chemical Spray	DEMIN Water	NOT REQD.	REF.	REF.		
RETURN ISOLATION VLV	Radiation (Rad)	3.3 E05	2.0 E08	REF. (F)	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150F 1.1 EO6 RADS	311 FOR 100 HOURS	REF.	REF.	SEQUENTIAL TEST	
Elevation: 590' O"	Submergence	NA NA	NA NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES		
A. FSAR TABLE 8.2.3 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. CONTAINMENT SPRAY SYSTEM REQUIRES MANUAL	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THIS COMPONENT IS DESIGNED AS A REDUNDANT PAIR WITH MO-1-3703 EACH		

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COMMONWEALTH EDISON

Facility: Unit: Docket:

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)			
INITIATION. IT IS ASSUMED THIS WILL NOT OCCUR WITHIN 10 MINUTES. THEREFORE, QUALIFICATION IS NOT REQUIRED. F. BECHTEL RADIATION STUDY G. REPORT NO. WCAP 7410-L TEST ON LIMITORQUE VALVE MOTOR OPERATORS. H. NEDO REPORT 24217, TABLE 4-3	SEPARATED FROM THE OTHER WITH ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. THESE COMPONENTS COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. THESE COMPONENTS UNDERGO PERIODIC FUNCTIONAL			
	TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE RELATED DEGRADATION.			

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COMMONWEALTH EDISON

Facility: Docket No:

> Elevation: Above Flood Level: Yes:

Owner:

QUAD CITIES

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Unit:

SYSTEM COMPONENT EVALUATION WORKSHEET

Date 05-01-83

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Edulament Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CONTAINMENT ISOLATION	Operating Time	10.5 SECONDS		REF.			SEE NOTE
Plant 1.D. Number: SO-1-203-1&2A,B,C,D Component: MSIV AND SOLENOID FOR	Temperature ("F)	334		REF.			SEE NOTE
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	⁸ 63.0		REF.			SEE NOTE
Model Number: C5512 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
GE HOO49 SPEC 21A5644AB Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER	NOT REQD.	REF.	REF. (E)		
	Radiation (Rad)	<1.0 EO4		REF. (F)			
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F 1.4 EO6 RADS		REF.			SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	L		L			L	

DOCUMENTATION REFERENCES	NOTES
A. FSAR SECTION 6.2.7.2 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. ALTHOUGH THE VALVES ARE INSIDE THE CONTAINMENT.	1. THIS EQUIPMENT WILL BE QUALIFIED BY TYPE TEST BEFORE THE END OF THE SECOND QUARTER OF 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. THESE COMPONENTS ARE DESIGNED AS REDUNDANT PAIRS, EACH SEPARATED FROM THE OTHER WITH

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
QUALIFICATION FOR CONTAINMENT SPRAY IS NOT REQUIRED BECAUSE THE SPRAY SYSTEM WOULD NOT OPERATE WITHIN 10.5 SECONDS F. BECHTEL RADIATION STUDY G. NEDO REPORT 24217, TABLE 4-3	ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. B. THESE COMPONENTS COMPLETE THEIR FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THESE COMPONENTS UNDERGO PERIODIC FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE RELATED DEGRADATION. D. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5,1970 DEPRESSURIZATION INCIDENT AT DRESDEN UNIT 2. E. OPERATOR ACTION TO CUT THE AIR SUPPLY TO THE SOLENOIDS WOULD ASSURE CLOSURE OF THE MSIV'S.

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COMMONWEALTH EDISON

Facility: Unit:

Yes: X No:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: χ No:

EQUIPMENT DESCRIPTION	ENV!RONMENT			
Edon ment Description	Parameter	Specification		
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC		
Plant I.D. Number: SO-1-203-1A Component: MSIV AND SOLENOID FOR	Temperature (°F)	334		
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	63.0		
Model Number: C5512	Relative Humidity (%)	100		
Purchase Order Number: SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER		
FOR INBOARD MSIV ON C STEAM LINE	Radiation (Rad)	<1.0 EO4		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
INSIDE DRYWELL		1.1 E06 RADS		
Elevation 591' O"	Submergence	NA		
Flood Level Elevation: 583' O" Above Flood Level:				

FOLLIEMENT DECORIDATION	1	ENVIRONMENT
EQUIFMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC
Plant I.D. Number: SO-1-203-1B Component: MSIV AND SOLENOID FOR	Temperature (°F)	334
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CD	Pressure (PSIA)	63.0
Model Number: C5512	Relative Humidity (%)	100
Purchase Order Number: GE-HOO49 SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER
FOR INBOARD MSIV ON D STEAM LINE	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location	Aging .	150 F
INSIDE DRYWELL Elevation 591' O"	Submergence	1.1 EOG RADS NA
Flood Level Elevation: 583' O"	LL	G-085 8 -03

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Yes: X No:

Facility: Unit:

Owner:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGGIFMENT DESCRIPTION	Parameter	Specification
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC
Plant I.D. Number: SD-1-203-1C Component: MSIV AND SOLENOID FOR	Temperature (°F)	334
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	63.0
Model Number: C5512	Relative Humidity (%)	100
Purchase Order Number: GE-H0049 SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER
FOR INBOARD MSIV ON A STEAM LINE	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
INSIDE DRYWELL		1.1 EO6 RADS
Elevation 591' O"	Submergence	NA
Flood Level Elevation: 583'0" Above Flood Level:	L	

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EQUITMENT DESCRIPTION	Parameter	Specification	
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC	
Plant I.D. Number: SO-1-203-1D Component: MSIV AND SOLENOID FOR	Temperature (°F)	334	
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	63.0	
Model Number: C5512	Relative Humidity (%)	100	
Purchase Order Number: GE-HOO49 SPEC 21A5644AB Functior/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER	
FOR INBOARD MSIV ON B STEAM LINE	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA	Aging	150 F	
Location INSIDE DRYWELL		1.1 EOG RADS	
Elevation 591′0"	Submergence	NA	
Flood Level Elevation: 583' O"		G-0858-03	

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COMMONWEALTH EDISON

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
ECOTFINENT DESCRIPTION	Parameter	Specification		
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC		
Plant I.D. Number: SD-1-203-2A Component: MSIV AND SOLENOID FOR	Temperature (°F)	304		
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	27.5		
Model Number: C5512	Relative Humidity (%)	100		
Purchase Order Number: SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER		
FOR OUTBOARD MSIV ON A STEAM LINE	Radiation (Rad)	<1.0 EO4		
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL NEAR	Aging	150 F 1.4 EOG RADS		
DRYWELL PENETRATION Elevation 591' O"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:	·			

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTFMENT DESCRIPTION	Parameter	Specification		
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC		
Plant 1.D. Number: SD-1-203-2B Component MSIV AND SOLENOID FOR	Temperature (°F)	304		
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	27.5		
Model Number: C5512 Purchase Order Number:	Relative Humidity (%)	100		
SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER		
FOR OUTBOARD MSIV ON B STEAM LINE	Radiation (Rad)	<1.0 EO4		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
STEAM TUNNEL NEAR	ļ	1.4 EO6 RADS		
DRYWELL PENETRATION Elevation 591' O"	Submergence	NA		
Flood Level Elevation: NA	I	G-0858-03		

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddi MENT DESCRIPTION	Parameter	Specification	
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC	
Plant I.D. Number: SO-1-203-2C Component: MSIV AND SOLENDID FOR	Temperature (^F)	304	
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	27.5	
Model Number: C5512	Relative Humidity (%)	100	
Purchase Order Number: SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE FOR OUTBOARD MSIV ON C STEAM LINE	Chemical Spray	DEMIN WATER	
	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
STEAM TUNNEL NEAR DRYWELL PENETRATION Elevation 591' O"	Submergence	1.4 EOG RADS NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

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EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFMENT DESCRIPTION	Parameter	Specification	
System: CONTAINMENT ISOLATION	Operating Time	10.5 SEC .	
Plant I.D. Number: S0-1-203-2D Component: MSIV AND SOLENOID FOR	Temperature (°F)	304	
AIR OPERATOR Manufacturer: AUTOMATIC VALVE CO	Pressure (PSIA)	27.5	
Model Number: C5512	Relative Humidity (%)	100	
Purchase Order Number: SPEC 21A5644AB Function/Service: PILOT SOLENOID VALVE	Chemical Spray	DEMIN WATER	
FOR OUTBOARD MSIV ON D STEAM LINE	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location STEAM TUNNEL NEAR	Aging	150 F 1.4 EO6 RADS	
DRYWELL PENETRATION Elevation 591' O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

ALL COMPONENTS IN THIS SYSTEM

ARE LOCATED IN A MILD ENVIRONMENT

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FOLUDATAT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	· Spec.	Qual.	METHOD	ITEMS
System: REACTOR RECIRCULATION	Operating Time	5 SECONDS	30 DAYS	REF.	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: AO-1-220-44 Component: SOLENOID VALVE	Temperature (°F)	334	346	REF.	REF.	TEST	
Manufacturer:	Pressure (PS1A)	63.0	124.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: TYPE NP-1	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Purchase Order Number: 3620-131 SPEC R-2395 Function/Service: PILOT SOLENOID FOR	Chemical Spray	DEMIN WATER	NOT REQD.	REF.	REF.	•	
RECIRCULATION LOOP SAMPLING VALVE	Radiation (Rad)	<1.0 EO4	2.0 E08	REF.	REF. (B)	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150 F	268F FOR 288 HOURS	REF.	REF.	SEQUENTIAL TEST	
NEAR 270 AZIMUTH Elevation: 595'0"	Submergence	NA	NA	NA	NA		

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: 583'0" Above Flood Level: Yes: χ No:

DOCUMENTATION REFERENCES	NOTES
A. TECH SPEC TABLE 3.7-1 B. TEST REPORT AQS 21678/TR, REV A.QUALIFI- CATION TESTS OF SOLENOID VALVES BY ENVIRON- RADIATION, ETC. C. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
D. FSAR FIGURE 5.2.17 E. FSAR SECTION 6.2.4.2.2 F. TO OCCUR WITHIN 10 MINUTES. THEREFORE NO CONTAINMENT SPRAY IS MANUAL AND IS NOT EXPECTED QUALIFICATION IS REQUIRED. G. BECHTEL RADIATION STUDY H. NEDO REPORT 24217, TABLE 4-3	

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Date 05-01-83

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Facility: Unit:

> Flood Level Elevation: Above Flood Level: Yes:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

ENVIRONMENT DOCUMENTATION REFERENCES OUTSTANDING QUALIFICATION EQUIPMENT DESCRIPTION METHOD ITEMS Parameter Specification Qualification Spec. Qual. System: Operating CONTINUOUS REACTOR RECIRCULATION NOT REF. NA Time REQD. (A) Plant 1.D. Number: Temperature LIS-1-263-58A,B 104 NOT REF. REF. ("F) Component: REQD. (B) (A) LEVEL INDICATOR SWITCH Pressure Manufacturer: 14.7 NOT RÈF. REF. (PSIA) YARWAY REQD. (B) (A) Model Number: Relative 4418C 100 NOT REF. REF. Humidity (%) (A) REQD. (B) Purchase Order Number: GE A8041 Chemical . NA NA NA NA Spray Function/Service: SEE ATTACHED SHEETS Radiation SEE NOTE 5.5 EO5 REF. (Rad) (C) (1) Accuracy: Spec: Aging NA NOT REF. REF. Demo: REQD. (D) (D) Location: SEE ATTACHED SHEETS Submergence Elevation: NΑ NA NA NΑ SEE ATTACHED SHEETS

DOCUMENTATION REFERENCES	NOTES .
THIS REPORT SECTION 4.4 FSAR SECTION 10.10 BECHTEL RADIATION STUDY THIS REPORT SECTION 4.3.6	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- REDUNDANT INSTRUMENTS ARE AVAILABLE TO PROVIDE THE OPERATOR THE REQUIRED INFORMATION TO ALLOW MANUAL CONTROL. THESE REDUNDANT INSTRUMENTS ARE

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- DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	LIS-1-263-57A,B AND LIS-1-263-59A,B AND THEY ARE IN A NON-HARSH ENVIRONMENT.
	· ·

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFWENT DESCRIPTION	Parameter	Specification	
System: REACTOR RECIRCULATION	Operating Time	CONTINUOUS	
Plant 1.D. Number: LIS-1-263-58A Component: LEVEL INDICATOR	Temperature (°F)	104	
SWITCH Manufacturer: YARWAY	Pressure (PSIA)	14.7	
Model Number: 4418C	Relative Humidity (%)	100	
Purchase Order Number: GE A8O41 Function/Service: REACTOR VESSEL LOW	Chemical Spray	NA	
LOW WATER LEVEL ALARM 1/2 PCI ISOLATION SIG GPI ISOLATION	Radiation (Rad)	5.5 E05	
Accuracy: Spec: NA Demo: NA Location RACK 2201-6	Agirhg	NA	
COLUMN 16&M Elevation 623′O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
	Parameter	Specification	
System: REACTOR RECIRCULATION	Operating Time	CONTINUOUS	
Plant I.D. Number: LIS-1-263-58B Component LEVEL INDICATOR	Temperature (°F)	104	
SWITCH Manufacturer: YARWAY	Pressure (PSIA)	14.7	
Model Number: 4418C Purchase Crder Number:	Relative Humidity (%)	100	
GE A8041 Function/Service: REACTOR VESSEL LOW	Chemical Spray	NA	
LOW WATER LEVEL ALARM 1/2 PCI ISOLATION SIG GPI ISOLATION	Radiation (Rad)	5.5 EO5	
Accuracy: Spec: NA Demo: NA Location RACK 2201-6	Aging	NA .	
COLUMN 16&M Elevation 623' O"	Submergence	NA .	
Flood Lavel Elevation: NA		G-0858-03	

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Unit:

Elevation: Above Flood Level: Yes:

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FOLUBARUT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR RECIRCULATION	Operating Time	30 DAYS	NOT REQD.	REF.	REF.		
Plant 1.D. Number: LITS-1-263-73A,B Component: LEVEL INDICATING	Temperature (°F)	104	NOT REQD.	REF.	REF.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TRANSMITTER SWITCH Manufacturer: YARWAY	Pressure (PSIA)	14.7	NOT REQD	REF.	REF. (B)		
Model Number: 4418CE	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Purchase Order Number: GE A8043 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA	NA	NA		
	Radiation (Rad)	8.0 EO4	·	REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	· NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURES 5.2.17 AND 5.2.18 B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	1. REPLACEMENT COMPONENT QUALIFIED TO THE PARAMETERS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING OR BEFORE THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- THIS TRANSMITTER PROVIDES AN INTERLOCK FOR

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTAINMENT SPRAY. THIS INTERLOCK, SHOULD IT FAIL, WOULD NOT AFFECT THE SAFETY ANALYSIS SINCE NO CREDIT FOR CONTAINMENT SPRAY WAS TAKEN.

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SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT
	Parameter	Specification
System: REACTOR RECIRCULATION	Operating Time	30 DAYS
Plant I.D. Number: LITS-1-263-73A Component: LEVEL INDICATING	Temperature (°F)	104
TRANSMITTER SWITCH Manufacturer: YARWAY	Pressure (PSIA)	14.7
Model Number: 4418CE	Relative Humidity (%)	100
Purchase Order Number: GE A8043 Function/Service: REACTOR VESSEL LEVEL	Chemical Spray	NA
INDICATION CONTAINMENT SPRAY INTERLOCK	Radiation (Rad)	8.O EO4
Accuracy: Spec: NA Demo: NA Location RACK 2201-7	Aging	NA
CDLUMNS 15&K Elevation 606'-0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

FOUNDMENT DECORIDATION		ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification			
System: REACTOR RECIRCULATION	Operating Time	30 DAYS			
Plant I.D. Number: LITS-1-263-73B Component: LEVEL INDICATING	Temperature (°F)	104			
TRANSMITTER SWITCH Manufacturer: YARWAY	Pressure (PSIA)	14.7			
Model Number: 4418CE	Relative Humidity (%)	100			
Purchase Order Number: GE A8043 Function/Service: REACTOR VESSEL LEVEL	Chemical Spray	NA			
INDICATION CONTAINMENT SPRAY INTERLOCK	Radiation (Rad)	8.0 EO4			
Accuracy: Spec: NA Demo: NA Location RACK 2201-8	Aging	NA			
COLUMNS 17&K Elevation 606'-0"	Submergence	NA			
Flood Level		G-0858-03			

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Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	}	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING
COOT MENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: REACTOR RECIRCULATION	Operating Time	2 MINUTES	16 DAYS	REF.	REF.	SIMULT TEST	
Plant I.D. Number: MO-1-202-5 A,B Component: MOTOR OPERATED	Temperature (°F)	334	250	REF.	REF.	SIMULT TEST	SEE NOTE
GATE VALVE&BRAKE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	63.0	39.7	REF.	REF.	SIMULT TEST	SEE NOTE
Model Number: SMB-3-100 Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULT TEST	
3620-125 SPEC R-2358 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER	NOT REQD.	REF.	REF.		
	Radiation (Rad)	6.7 EO4	2.0 E07	REF.	REF.	SEQUEN TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F 1.1 EO6 RADS	165 F FOR 199.8 HOURS	REF.	REF.	SEQUEN TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NΑ	NA	NA	·	
Flood Level	L		<u> </u>		<u> </u>	1	·

DOCUMENTATION REFERENCES	NOTES		
A. FSAR SECTION 6.2.6 B. REPORT NO 600461-B0003 QUALIFICATION TYPE TEST REPORT-LIMITORQUE VALVE ACTUATORS FOR CLASS 1E SERVICE OUTSIDE PRIMARY CONTAINMENT. C. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. REPLACEMENT COMPONENTS QUALIFIED TO MEET THE ENVIRONMENTAL PARAMETERS AS LISTED ARE BEING PROCURED AND WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR		

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
D. FSAR FIGURE 5.2.17 E. FSAR SECTION 6.2.4.2.2 F. CONTAINMENT SPRAY SYSTEM REQUIRES MANUAL INITIATION. IT IS ASSUMED THIS WILL NOT OCCUR WITHIN 10 MINUTES. THEREFORE, QUALIFICATION IS NOT REQUIRED. G. BECHTEL RADIATION STUDY H. NEDO REPORT 24217, TABLE 4-3	THE FOLLOWING REASONS- A. THESE COMPONENTS OR SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED FOR ENVIRONMENTAL CONDITIONS. B. THESE COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION INCIDENT AT THE DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRONMENTAL CONDITIONS. C. EACH COMPONENT UNDERGOES PERIODIC FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TEST WOULD IDENTIFY AGE-RELATED DEGRADATION.

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
Edon MENT DESCRIPTION	Parameter	Specification
System: REACTOR RECIRCULATION	Operating Time	2 MINUTES
Plant I.D. Number: M0-1-202-5-A Component: MOTOR OPERATED	Temperature (^F)	334
GATE VALVE&BRAKE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	63.0
Model Number: SMB-3-100	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: ISOLATE RECIRCULATION	Chemical Spray	DEMIN WATER
LOOP	Radiation (Rad)	6.7 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
INSIDE DRYWELL		1.1 EO6 RADS
Elevation 584' 6"	Submergence	NA ·
Flood Level Elevation: 583' O" Above Flood Level: Yes: X No:		

FOUNDMENT DECORIDATION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: . REACTOR RECIRCULATION	Operating Time	2 MINUTES
Plant I.D. Number: MO-1-202-5-B Component: MOTOR OPERATED	Temperature (°F)	334
GATE VALVE&BRAKE Manufacturer: LIMITORQUE (RELIANCE) AC MOTOR	Pressure (PSIA)	63.0
Model Number: SMB-3-100	Relative Humidity (%)	100
Purchase Order Number: Function/Service: ISOLATE RECIRCULATION	Chemical Spray	DEMIN WATER
LOOP	Radiation (Rad)	6.7 EO4
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
INSIDE DRYWELL		1.1 EO6 RADS
Elevation 584′6"	Submergence	NA
Flood Level Elevation: 583' O"		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT	ENVIRONMENT		DOCUMENTATION REFERENCES		OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR RECIRCULATION	Operating Time	5 SECONDS		REF.			SEE NOTE
Plant I.D. Number: POS-1-220-44 Component: POSITION SWITCH	Temperature (^F)	334		REF.			SEE NOTE
Manufacturer: NAMCO SNAPLOCK	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number: EA 08011100 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Function/Service: POSITION SWITCH FOR	Chemical Spray	DEMIN WATER	NOT , REQD.	REF.	REF.		
RECIRCULATION LOOP SAMPLING VALVE	Radiation (Rad)	<1.0 EO4		REF. (F)			
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150 F 1.1 EO6 RADS	NOT REQD.	REF.	REF.		SEE NOTE
NEAR 270 AZIMUTH Elevation: 619′0"	Submergence	NA	NA ·	NA	NA		

Elevation: 583'0" Above Flood Level: Yes: X No:

DOCUMENTATION REFERENCES	NOTES		
A. TECH SPEC TABLE 3.7-1 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. CONTAINMENT SPRAY SYSTEM REQUIRES MANUAL	1. THIS COMPONENT WILL BE REPLACED WITH A QUALIFIED COMPONENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON-THIS COMPONENT PROVIDES INDICATION ONLY		

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)			
INITIATION. IT IS ASSUMED THIS WILL NOT OCCUR WITHIN 10 MINUTES. THEREFORE, QUALIFICATION IS NOT REQUIRED. F. BECHTEL RADIATION STUDY G. NEDO REPORT 24217, TABLE 4-3	AND ITS FAILURE WOULD NOT AFFECT SAFETY CIRCUITS OR MISLEAD THE OPERATOR.			

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> Flood Level Elevation: NA Above Flood Level: Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	}	ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
Eddir WENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR RECIRCULATION	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: PT-1-662 Component: PRESSURE TRANSMITTER	Temperature (°F)	104	NOT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 50-551032GAAWI GEMAC 551 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
GE D8164A Function/Service: REACTOR PRESSURE	Chemical Spray	NA	NA ·	NA	NA		
SIGNAL TO 640-27	Radiation (Rad)	5.5 EO5	2.75 EO6	REF.	REF.	TYPE TEST	
Accuracy: Spec: NA Demo: NA Location: RACK 2201-6	Aging	NA	NOT REQD.	REF.	REF. (F)		
COLUMNS 16&M Elevation: 623'-0"	Submergence	NA .	NA	NA	NA		

DOCUMENTATION REFERENCES NOTES . A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. WYLE TEST REPORT 45917-1, DATED JULY 30, 1982 E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6

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SYSTEM COMPONENT EVALUATION WORKSHEET

TOURNEUT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: PROCESS RADIATION MONITORING	Operating Time	10 MINUTES	NOT REQD.	REF.	REF.		
Plant J.D. Number: RE-1-1735A&B Component: RADIATION ELEMENT	Temperature (°F)	120	NOT REQD.	REF.	REF.		
GM TUBE Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: DWG 194X927GI Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA .	NA	NA		
	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	· NA	NA	NA		

Flood Level Elevation: Above Flood Level: Yes:

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 8.2.3 B. THIS REPORT SECTION 4.4 C. FSAR SECTION 10.10 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
	Parameter	Specification		
System: PROCESS RADIATION MONITORING	Operating Time	10 MINUTES		
Plant I.D. Number: RE-1-1735A Component: RADIATION ELEMENT	Temperature (°F)	120		
GM TUBE Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: DWG 194X927GI	Relative Humidity (%)	100		
Purchase Order Number:	·			
Function/Service: REACTOR BUILDING	Chemical Spray	NA		
VENTILATION RADIATION MONITOR	Radiation (Rad)	<1.0 E04		
Accuracy: Spec: NA Demo: NA Location ABOVE TURBINE FLOOR	Aging	NA ·		
COLUMNS G AND 13 Elevation 639'O"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: PROCESS RADIATION MONITORING	Operating Time	. 10 MINUTES
Plant I.D. Number: RE-1-1735B Component: RADIATION ELEMENT	Temperature (°F)	120
GM TUBE Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: DWG 194X927GI	Relative Humidity (%)	100
Purchase Order Number:	L	
Function/Service: REACTOR BUILDING	Chemical Spray	NA .
VENTILATION RADIATION MONITOR	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location ABOVE TURBINE FLOOR	Aging	NA
CDLUMNS G AND 13 Elevation 639'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

ALL COMPONENTS IN THIS SYSTEM

ARE LOCATED IN A MILD ENVIRONMENT

ALL COMPONENTS IN THIS SYSTEM

ARE LOCATED IN A MILD ENVIRONMENT

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Elevation: Above Flood Level: Yes:

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EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTAT	ON REFERENCES	QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY AC POWER	Operating Time	CONTINUOUS	NOT - REQD.	NA	REF.		
Plant I.D. Number: SEE ATTACHED SHEETS Component: 480 V MCC	Temperature (^F)	120	NOT REQD.	REF.	REF.		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 7700 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
SEE ATTACHED SHEETS Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	6.1 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	<u> </u>				1	<u> </u>	

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. WORK IS IN PROGRESS TO TEST THIS EQUIPMENT. THE FINAL TEST REPORT IS SCHEDULED TO BE RECEIVED FROM WYLE LABORATORIES BY DECEMBER 31, 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASON- THE DOSES TO MCC/S ARE IN THE 10.0 E05
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SYSTEM COMPONENT EVALUATION WORKSHEET

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	RADS RANGE WHICH IS COMPARABLE TO THE LEVEL FOR WHICH MCC'S ARE CURRENTLY QUALIFIED.
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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION		ENV!RONMENT			
EQUITMENT DESCRIPTION	Parameter	Specification			
System: STANDBY AC POWER	Operating Time	CONTINUOUS			
Plant I.D. Number: MCC 18-1A Component: 480 V MCC	Temperature (°F)	104			
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7			
Model Number: 7700	Relative Humidity (%)	100			
Purchase Order Number: 62169 G/C Function/Service: POWER DISTRIBUTION	Chemical Spray	NA .			
	Radiation (Rad)	1.2 EO5			
Accuracy: Spec: NA Demo: NA Location NEAR COLUMN 17 & N	Aging	NA NA			
Elevation 623'-0"	Submergence	NA			
Flood Level Elevation: NA Above Flood Level: Yes: No:					

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOIPMENT DESCRIPTION	Parameter	Specification
 System: STANDBY AC POWER	Operating Time	CONTINUOUS
Plant I.D. Number: MCC 18-1B Component: 480 V MCC	Temperature (°F)	104
 Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 7700 , Purchase Order Number:	Relative Humidity (%)	100
62169 G/C Function/Service: POWER DISTRIBUTION	Chemical Spray	NA
	Radiation (Rad)	9.9 EO4
Accuracy: Spec: NA Demo: NA Location SA	Aging	NA
Elevation 623'-0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

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EQUIPMENT DESCRIPTION		ENVIRONMENT
Eddi Ment Descrit Flor	Parameter	Specification
System: STANDBY AC POWER	Operating Time	CONTINUOUS
Plant I.D. Number: MCC 18-3 Component: 480 V MCC	Temperature (°F)	104
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7
Model Number: 7700	Relative Humidity (%)	100
Purchase Order Number: 62169 Function/Service: POWER DISTRIBUTION	Chemical Spray	NA
	Radiation (Rad)	6.1 EO5
Accuracy: Spec: NA Demo: NA Location NEAR COLUMN 15 & N	Aging	NA .
Elevation 623'-0"	Submergence	NA .
Flood Level Elevation: NA Above Flood Level: Yes: No:		·····

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EUGIFINENT DESCRIPTION	Parameter	Specification		
System: STANDBY AC POWER	Operating Time	CONTINUOUS		
Plant 1.D. Number: MCC 18/19-5 Component: 480 V MCC	Temperature (*F)	104		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 7700 Purchase Order Number:	Relative Humidity (%)	100		
62169-5 Function/Service: POWER DISTRIBUTION	Chemical Spray	NA		
	Radiation (Rad)	4.4 EO5		
Accuracy: Spec: NA Demo: NA Location NEAR COLUMNS 18 & M	Aging	NA		
Elevation 595′-0"	Submergence	NA		
Flood Level Elevation: NA		G-0858-03		

Component Sheet No. 244 Revision 2

Date: 05-01-83

COMMONWEALTH EDISON QUAD CITIES

Owner: Facility: Unit:

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOT WENT DESCRIPTION	Parameter	Specification		
System: STANDBY AC POWER	Operating Time	CONTINUOUS		
Plant I.D. Number: MCC 19-1 Component: 480 V MCC	Temperature (°F)	104		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 7700	Relative Humidity (%)	100		
Purchase Order Number: 62169 G/C Function/Service: POWER DISTRIBUTION	Chemical Spray	NA		
	Radiation (Rad)	6.8 EO4		
Accuracy: Spec: NA Demo: NA Location NEAR COLUMNS 18 & N	Aging	NA		
Elevation 623'-0"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:				

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EQUITMENT DESCRIPTION	Parameter	Specification		
System: STANDBY AC POWER	Operating Time	CONTINUOUS		
Plant I.D. Number: MCC 19-3 Component: 480 V MCC	Temperature (°F)	120		
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	14.7		
Model Number: 7700	Relative Humidity (%)	100		
Purchase Order Number: 62169 Function/Service: POWER DISTRIBUTION	Chemical Spray	NA		
	Radiation (Rad)	2.6 EO5		
Accuracy: Spec: NA Demo: NA Location NEAR COLUMNS 13 & G	Aging	NA		
Elevation 611'-6"	Submergence	NA		
Flood Level		G-0858-03		

Revision 2

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation:

Yes:

Above Flood Level:

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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Flood Level

Yes:

Elevation: NA

Above Flood Level:

No:

ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating STANDBY AC POWER CONTINUOUS Time Plant I.D. Number: Temperature MCC 19-6 104 (°F) Component: 480 V MCC Pressure Manufacturer: 14.7 (PSIA) GENERAL ELECTRIC Model Number: Relative 7700 100 Humidity (%) Purchase Order Number: 62169 G/C Chemical NΑ Spray Function/Service: POWER DISTRIBUTION Radiation 6.8 EO4 (Rad) Accuracy: Spec: NΑ Aging Demo: NA NA Location NEAR COLUMNS 18 & K Submergence Elevation NΑ 623'-0"

FOURMENT DESCRIPTION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System:	Operating Time		
Plant I.D. Number:	Temperature		
Component:	(°F)		
Manufacturer:	Pressure (PSIA)	,	
Model Number:	Relative Humidity (%)		
Purchase Order Number:			
Function/Service:	Chemical Spray		
	Radiation (Rad)		
Accuracy: Spec: Demo:	Aging		
Location			
Elevation	Submergence		
Flood Level	<u> </u>	G-0858~	

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COMMONWEALTH EDISON QUAD CITIES

Owner: Facility: Unit:

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Elevation: NA
Above Flood Level:
Yes: No

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
ECOLUMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: STANDBY DC POWER	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: 125 V DCDP 1 Component: 125 V DC REACTOR BLDG	Temperature (°F)	104	NOT REQD.	REF.	REF.	*****	
DISTRIBUTION PANEL Manufacturer: CUTLER HAMMER	Pressure (PS1A)	14.7	NOT REQD.	REF.	REF.		
Model Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: DISTRIBUTE DC	Chemical Spray	NA	NA	NA	NA		
POWER	Radiation (Rad)	5.4 EO5		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: BETWEEN COLS.	Aging	NA	NOT REQD	REF.	REF.		
M & N AND 15 & 16 Elevation: 623′O"	Submergence	· NA	NA	. NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. THE DISTRIBUTION PANEL BREAKERS ARE BEING ENVIRONMENTALLY TESTED WHILE THE REMAINDER OF THE PANEL COMPONENTS HAVE BEEN QUALIFIED BY ANALYSIS. THE FINAL TEST REPORT IS SCHEDULED TO BE RECEIVED FROM WYLE LABORATORIES BY THE THIRD QUARTER OF 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION

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COMMONWEALTH EDISON

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	IS JUSTIFIED FOR THE FOLLOWING REASON- THE DOSE TO THIS DISTRIBUTION PANEL IS IN THE 6.0 E05 RADS RANGE WHICH IS COMPARABLE TO THE LEVEL FOR WHICH DISTRIBUTION PANELS ARE CURRENTLY QUALIFIED.

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Owner: Facility: Unit: Docket No:

Elevation: NA Above Flood Level: Yes:

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ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	CONTINUOUS	NOT REQD .	NA	REF.		
Temperature (°F)	120	NOT REQD.	REF.	REF.		
Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Relative Humidity (%)	100	NOT REQD.	REF.	REF.	-	
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Aging	NA	NOT REQD.	REF.	REF.		
Submergence	ŅA	NA	NA	NA		
	Parameter Operating Time Temperature (*F) Pressure (PS1A) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time CONTINUOUS Temperature (°F) 120 Pressure (PSIA) 14.7 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) <1.0 E04 Aging NA Submergence	Parameter Specification Qualification Operating Time CONTINUOUS NOT REQD. Temperature (°F) 120 NOT REQD. Pressure (PSIA) 14.7 NOT REQD. Relative Humidity (%) 100 NOT REQD. Chemical Spray NA NA NA Radiation (Rad) <1.0 E04 NOT REQD. Submergence NOT REQD.	Parameter Specification Qualification Spec. Operating Time CONTINUOUS NOT REQD. Temperature (F) 120 NOT REF. (B) Pressure (PSIA) 14.7 NOT REF. (B) Relative Humidity (%) 100 NOT REF. (B) Chemical Spray NA NA NA NA Radiation (Rad) <1.0 E04 NOT REF. (C) Aging NA NOT REF. (C) Submergence REF. (D)	Parameter Specification Qualification Spec. Qual.	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	

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Elevation: Above Flood Level: Yes:

No:

FOUNDMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE		REF.			
Plant I.D. Number: SEE ATTACHED SHEETS Component: TEMPERATURE SWITCH	Temperature (°F)	200		REF.			SEE NOTE
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 88B, TYPE F7 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
243756 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA .	NA	NA	NA		
	Radiation (Rad)	<1.0 E04	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level	 				L,	<u> </u>	

DOCUMENTATION REFERENCES	NOTES
A. THIS TEMPERATURE SWITCH IS USED TO DETECT AN RCIC STEAM LINE BREAK. AS SOON AS A BREAK OCCURS, THIS SWITCH WILL FUNCTION ISOLATING THE RCIC STEAM LINE BY DETECTING HIGH TEMPERATURE. THIS WOULD OCCUR IN LESS THAN ONE MINUTE. ONE MINUTE WAS CONSERVATIVELY ASSUMED.	1. THE CALIBRATION PROCEDURES WILL BE MODIFIED TO INCORPORATE 100% HUMIDITY. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ROUTINE CALIBRATION BY TESTING IS SUFFICIENT TO DETERMINE THE COMPONENTS

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
PERIODIC CALIBRATION IS SUFFICIENT TO DEMONSTRATE COMPONENT CAPABILITY TO FUNCTION UNDER ACCIDENT ENVIRONMENTAL TEMPERATURE CONDITIONS. B. TECH SPEC TABLE 3.2-1 C. FSAR SECTION 6.2.3.2 D. THIS REPORT SECTION 4.4 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6	CAPABILITY TO FUNCTION UNDER ACCIDENT ENVIRONMENTAL CONDITIONS. THE MAXIMUM OPERATING TEMPERATURE OF THE SWITCHES BY DESIGN IS 370F WHICH IS ABOVE THE REQUIRED OPERATING TEMPERATURE. B. THESE COMPONENTS WILL BE QUALIFIED BY ENGINEERING ANALYSIS OR COMPONENTS QUALIFIED FOR THE ENVIRONMENT WILL BE INSTALLED DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984.
1	

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-1360-14A Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSTA)	14.7	
Model Number: 88B, TYPE F7 Purchase Order Number:	Relative Humidity (%)	1CO	
243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA NA	
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA	
Elevation 558'0"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:	- · · · · · · · · · · · · · · · · · ·		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EUGIPMENT DESCRIPTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-1360-14B Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B, TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA	
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA	
Elevation 558'0"	Submergence	NA	
Flood Level		G-0858-03	

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Specification

<1 MINUTE

200

14.7

100

NA

<1.0 EO4

NΑ

N.A

ENVIRONMENT

Owner: Facility: COMMONWEALTH EDISON QUAD CITIES

Parameter

Operating

Temperature

Pressure

Relative

Chemical

Radiation

Spray

(Rad)

Aging

Submergence

Humidity (%)

(PSIA)

Time

(°F)

Unit:

System:

1

EQUIPMENT DESCRIPTION

ISOLATION COOLING

TEMPERATURE SWITCH

UNITED ELECTRIC CONTROLS Model Number:

88B, TYPE F7

Function/Service:
HIGH TEMPERATURE
(STEAM LEAK)

ISOLATION

Accuracy:

Location

Elevation

558'0"

Flood Level
Elevation: NA

Yes:

DETECTION AND

NW CORNER ROOM

Above Flood Level:

No:

Spec:

Demo:

NA

NA

Purchase Order Number:

Docket No: 50-254

REACTOR CORE

Plant 1.D. Number:

Component:

Manufacturer:

243756

TS-1-1360-14C

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTPMENT DESCRIPTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-1360-14D Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PS1A)	. 14.7	
Model Number: 88B, TYPE F7 Purchase Order Number:	Relative Humidity (%)	100	
243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA	
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA	
Elevation 558'O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EUDIFMENT DESCRIPTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-1360-15A Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B, TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: 243756 Function/Service:	Chemical Spray	NA	
HIGH TEMPERATURE (STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA	
Elevation 558'0"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGGIFINIENT DESCRIFTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number; TS-1-1360-15B Component; TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B, TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: 243756 Function/Service: HIGH TEMPERTURE	Chemical Spray	NA	
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 E04	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA	
Elevation 558'O"	Submergence	NA	
Flood Level Elevation: NA		G-0858-03	

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COMMONWEALTH EDISON

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGON MENT DESCRIPTION	Parameter	Specification	
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE	
Plant I.D. Number: TS-1-1360-15C Component: TEMPERATURE SWITCH	Temperature (°F)	200	
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7	
Model Number: 88B, TYPE F7	Relative Humidity (%)	100	
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA	
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4	
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA ,	
Elevation 558'O"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level: Yes: No:			

		
EQUIPMENT DESCRIPTION		ENVIRONMENT
Edon MENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-1360 15D Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B, TYPE F7	Relative Humidity (%)	100
Purchase Order Number: 243756 Function/Service:	Chemical Spray	NA .
HIGH TEMPERATURE (STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 558'O"	Submergence	NA
Flood Level Elevation: NA	·	G-0858-03

Component Sheet No. 255 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50~254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOIPMENT DESCRIPTION	Parameter	Specification		
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE		
Plant I.D. Number: TS-1-1360-16A Component: TEMPERATURE SWITCH	Temperature (°F)	200		
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7		
Model Number: 88B, TYPE F7	Relative Humidity (%)	100		
Purchase Order Number: 243756 Function/Service:	Chemical Spray	NA		
HIGH TEMPERATURE (STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4		
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA		
Elevation 558'O"	Submergence	NA		
Flood Level Elevation: NA Above Flood Level: Yes: No:	,			

EQUIPMENT DESCRIPTION		ENVIRONMENT
Edult MENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-1360-16B Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B, TYPE F7	Relative Humidity (%)	100
Purchase Order Number: 243756 Function/Service:	Chemical Spray	NA
HIGH TEMPERATURE (STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 558'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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COMMONWEALTH EDISON

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EGOTFMENT DESCRIPTION	Parameter	Specificat on			
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE			
Plant I.D. Number: TS-1-1360-16C Component: TEMPERATURE SWITCH	Temperature (°F)	200			
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PS1A)	14.7			
Model Number: 88B, TYPE F7	Relative Humidity (%)	100			
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Soray	NA			
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Fad)	<1.0 E04			
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA			
Elevation 558'O"	Submergence	NA .			
Flood Level Elevation: NA Above Flood Level: Yes: No:					

FOUNDMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-1360-16D Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B, TYPE F7	Relative Humidity (%)	100
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA NA
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 E04
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA ·
Elevation 558'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

Above Flood Level: '

Yes:

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Date: 05-01-83

SYSTEM COMPONENT EVALUATION WORKSHEET

Owner: Facility:

y:

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COMMONWEALTH EDISON

Unit: Docket No:

558'0"

Flood Level

Yes:

Elevation: NA Above Flood Level:

No:

ENVIRONMENT EQUIPMENT DESCRIPTION Parameter Specification System: Operating REACTOR CORE <1 MINUTE Time ISOLATION COOLING Plant I.D. Number: Temperature TS-1-1360-17A 200 (°F) Component: TEMPERATURE SWITCH Pressure Manufacturer: 14.7 (PS1A) UNITED ELECTRIC CONTROLS Model Number: Relative 88B, TYPE F7 100 Humidity (%) Purchase Order Number: 243756 Chemical NA Spray Function/Service: HIGH TEMPERATURE (STEAM LEAK) Radiation DETECTION AND <1.0 E04 (Rad) ISOLATION Spec: Accuracy: NA Aging NΑ Demo: NA Location NW CORNER ROOM Submergence Elevation NΔ

EQUIPMENT DESCRIPTION		ENVIRONMENT
EGOTPMENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE
Plant I.D. Number: TS-1-1360-17B Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B, TYPE F7	Relative Humidity (%)	100
243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 558'0"	Submergence	NA
Flood Level		G-0858-03

Elevation: NA

Above Flood Level:

No:

Yes:

G-0858-03

Component Sheet No. 258 Revision 2 Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: Docket: No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
EUDIFMENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE
Plant 1.D. Number: TS-1-1360-17C Component: TEMPERATURE SWITCH	Temperature (°F)	200
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7
Model Number: 88B, TYPE F7	Relative Humidity (%)	100
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging .	NA
Elevation 558'O"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		-

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EQUIFMENT DESCRIPTION	Parameter	Specification			
System: REACTOR CORE ISOLATION COOLING	Operating Time	<1 MINUTE			
Plant 1.D. Number: TS-1-1360-17D Component: TEMPERATURE SWITCH	Temperature (°F)	200			
Manufacturer: UNITED ELECTRIC CONTROLS	Pressure (PSIA)	14.7			
Model Number: 88B, TYPE F7	Relative Humidity (%)	100			
Purchase Order Number: 243756 Function/Service: HIGH TEMPERATURE	Chemical Spray	NA			
(STEAM LEAK) DETECTION AND ISOLATION	Radiation (Rad)	<1.0 EO4			
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA			
Elevation 558'O"	Submergence	NA			
Flood Level Elevation: NA		G-0858-03			

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Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

> Above Flood Level: Yes:

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FOLUBATAT DECORIGINA		ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: REACTOR CORE ISOLATION COOLING	Operating Time	10 MINUTES	NOT REQD.	REF.	REF. (B)		
Plant I.D. Number: A0-1-1301-34,35 Component: SOLENOID VALVE	Temperature (^F)	114	NOT REQD.	REF.	REF.		
Manufacturer: ASCO	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: 830281F Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	AN	NA .	NA	NA		
	Radiation (Rad)	2.3 EO4	NOT REQD.	REF.	REF.		
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NΔ	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level Elevation:	<u> </u>				1	I	1

SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES NOTES A. FSAR TABLE 8.2.3 B. THIS REPORT SECTION 4.4 C. FIELD MEASUREMENT D. FSAR SECTION 6.2.3.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3 G. THIS REPORT SECTION 4.3.6

Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	[ENVIRONMENT
EGGIFMENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	10 MINUTES
Plant I.D. Number: AO-1-1301-34 Component: SOLENOID VALVE	Temperature (°F)	114
Manufacturer: ASCO	Pressure (PSIA)	14.7
Model Number: 830281F	Relative Humidity (%)	100
Purchase Order Number:		
Function/Service: PILOT SOLENOID FOR	Chemical Spray	NA
VALVE A0-1-1301-34	Radiation (Rad)	2.3 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 558'0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

EQUIPMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: REACTOR CORE ISOLATION COOLING	Operating Time	10 MINUTES
Plant I.D. Number: A0-1-1301-35 Component: SOLENOID VALVE	Temperature (°F)	114
Manufacturer: ASCO	Pressure (PSIA)	14.7
Model Number: 830281F	Relative Humidity (%)	100
Purchase Order Number:	Chemical	
Function/Service: PILOT SOLENOID FOR	Spray	NA
VALVE A0-1-1301-35	Radiation (Rad)	2.3 EO4
Accuracy: Spec: NA Demo: NA Location NW CORNER ROOM	Aging	NA
Elevation 558'0"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

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Date 05-01-83

Owner: COMMONWEALTH EDISON

Elevation: 583' O" Above Flood Level: Yes: X No:

Facility: Unit: Docket No: QUAD CITIES 50-254

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATION REFERENCES		DOCUMENTATION REFERENCES		QUALIFICATION QUISTAN	
Parameter	Parameter	Specification	Qualification	Spec.	Qual.	METHOD			
System: REACTOR CORE ISOLATION COOLING	Operating Time	10 MINUTES		REF.			SEE NOTE		
Plant I.D. Number: MO-1-1301-16 Component: MOTOR OPERATED	Temperature (*F)	334		REF:			SEE NOTE		
GATE VALVE Menufacturer: LIMITORQUE (PEERLESS) AC MOTOR	Pressure (PSIA)	63.0		REF.			SEE NOTE		
Model Number: SMB-000-5	Relative Humidity (%)	100		REF.			SEE NOTE		
Purchase Order Number: 3620-125 SPEC R-2358 Function/Service: STEAM SUPPLY LINE	Chemical Spray	DEMIN WATER	NOT REOD.	REF.	REF.				
INBOARD CONTAINMENT ISOLATION VALVE	Radiation (Rad)	3.3 EO5	2.0 E08	REF.	REF.	INDIVIDUAL TEST			
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150 F 6.6 E06 RADS	311 FOR 100 HRS	REF.	REF.	INDIVIDUAL TEST	:		
NEAR O AZIMUTH Elevation: 604'11"	Submergence	NA .	NA .	NA	NA				

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 8.2.3 B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. CONTAINMENT SPRAY SYSTEM REQUIRES MANUAL	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR FOLLOWING REASONS- A. THIS COMPONENT IS DESIGNED AS A REDUNDANT PAIR WITH MO-1-1301-17, EACH SEPARATED FROM

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QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
INITIATION. IT IS ASSUMED THIS WILL NOT OCCUR WITHIN 10 MINUTES. THEREFORE, QUALIFICATION IS NOT REQUIRED. F. BECHTEL RADIATION STUDY G. WCAP 7410-L, TEST ON LIMITORQUE VALVE MOTOR OPERATORS, SECTION 5. H. NEDO REPORT 24217, TABLE 4-3	THE OTHER WITH ONLY ONE SUBJECTED TO A HARSH ENVIRONMENT. B. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD.





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COMMONWEALTH EDISON

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QUAD CITIES

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Above Flood Level: Yes: No

ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
Parameter	Specification	Qualification	Spec.	Qual.	METHOD ITEMS	
Operating Time	10 MINUTES	NOT REQD.	REF.	REF.	·	SEE NOTE
Temperature (*F)	304	- <u></u>	REF.			SEE NOTE
Pressure (PSIA)	27.5		REF.			SEE NOTE
Relative Humidity (%)	100		REF.			SEE NOTE
Chemical Spray	NA	NA	NA	NA		
Radiation (Rad)	2.0 EO4	NOT REQD	REF.	REF.	<u>.</u>	
Aging	150 F	· · · · · · · · · · · · · · · · · · ·	REF.			SEE NOTE
Submergence	NA NA	NA	NA	NA		
	Operating Time Temperature (*f) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time 10 MINUTES Temperature (*F) 304 Pressure (PSIA) 27.5 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 2.0 E04 Aging 150 F 1.4 E06 RADS Submergence	Parameter Specification Qualification Operating Time 10 MINUTES NOT REQD. Temperature (°F) 304 Pressure (PSIA) 27.5 Relative Humidity (%) 100 Chemical Spray NA NA NA Radiation (Red) 2.0 E04 NOT REQD. Aging 150 F 1.4 E06 RADS Submergence	Parameter Specification Qualification Spec. Operating Time 10 MINUTES NOT REF. (A) Temperature (°F) 304 REF. (C) Pressure (PSIA) 27.5 REF. (C) Relative Humidity (%) 100 REF. (C) Chemical Spray NA NA NA Radiation (Rad) 2.0 E04 NOT REF. (D) REF. (D) Aging 150 F REF. (E) (E) Submergence Submergence REF. (E) (E)	Parameter Specification Qualification Spec. Qual. Operating Time 10 MINUTES NOT REF. (A) REF. (B) Temperature (°F) 304 REF. (C) Pressure (PSIA) 27.5 REF. (C) Relative Humidity (%) 100 REF. (C) Chemical Spray NA NA NA Radiation (Rad) 2.0 E04 NOT REQD. REF. (D) Aging 150 F REF. (E) 1.4 E06 RADS Submergence	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. FSAR TABLE 8.2.3 B. THIS REPORT SECTION 4.4 C. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC NO. 3C2-0181-001 REV O. NOV 1982.	1. THIS COMPONENT WILL BE QUALIFIED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. ALTHOUGH QUALIFICATION DATA ARE NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS-
D. BECHTEL RADIATION STUDY F. NEDO DEDORT 24217 TABLE 4-2	A. OTHER EQUIPMENT SIMILAR IN DESIGN TO THIS

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Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket: QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

DOCUMENTATION REFERENCES (cont.) NOTES (cont.) FOR ENVIRONMENT IN EXCESS OF THE CALCULATED REQUIREMENT FOR THIS EQUIPMENT. B. THIS COMPONENT COMPLETES ITS FUNCTION IN A VERY SHORT PERIOD OF TIME AND WOULD NOT EXPERIENCE SIGNIFICANT EFFECTS OF INCREASED ENVIRONMENTAL CONDITIONS IN THIS SHORT TIME PERIOD. C. THIS COMPONENT UNDERGOES PERIODIC FUNCTIONAL TESTING TO VERIFY OPERABILITY. THIS TESTING WOULD IDENTIFY AGE-RELATED DEGRADATION.

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Revision 2 Date 05-01-83

COMMONWEALTH EDISON ·

Facility: (

Elevation:
Above Flood Level:
Yes: No

Owner:

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Unit: 1
Docket No: 50-2

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	69 HOURS		REF.	SIMULTANEOUS TEST	
Plant I.D. Number: SEE ATTACHED SHEETS Component: ELECTRICAL	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
PENETRATION Manufacturer: GE-NEBS	Pressure (PS1A)	63.0	63.0	REF.	REF.	SIMULTANEOUS TEST	
Model Number: F-O1 237X627G4 Purchese Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
640-1001 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER	SEE NOTE (1)	REF.	REF.		
	Radiation (Rad)	1.1 EO8	1.0 E08	REF.	REF.	INDIVIDUAL TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F	50-150 F FOR 30 DAYS	REF.	REF.	INDIVIDUAL TEST	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA .	NA		
Flood Level		·	I			I	· L

DOCUMENTATION REFERENCES	NOTES
A. QUALIFICATION TEST FOR F-O1 ELECTRICAL PENETR- ATION ASSEMBLIES DATED 4-30-71 AND GE DOCUMENT NO. 994-75-011, 100 SERIES PENETRATION QUALIFI- CATION TEST SUMMARY DATED 4-24-75, BOTH OF WHICH ARE INCLUDED IN THE ATTACHMENTS TO GE	
LETTER G-EBD-2-031 R.A. KOPRIVA TO E.A. ARMSTRONG DATED 2-9-1982 CHRON 05178. ALSO GE LETTER	•

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
G-EBO-2-089 R.A. KOPRIVA TO E.A. ARMSTRONG	
WITH ATTACHMENTS DATED 4-9-1982 CHRON 04392. B. NSEO-52-0682, DRF#T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS	
DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17	·
D. FSAR SECTION 6.2.4.2.2 E. THE ELECTRICAL PENETRATIONS WITHIN THE DRYWELL ARE PROTECTED WITH A SHIELD AT THE HEADER PLATE	
THEREFORE THE DEMINERALIZED WATER DOES NOT DIRECTLY IMPINGE ON THE HEADER PLATE.	
F. BECHTEL RADIATION STUDY G. NEDO REPORT 24217, TABLE 4-3	
·	
	·

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Date: 05-01-83

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COMMONWEALTH EDISON

Facility: Unit: Docket No:

Yes: X No:

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

		ENVIRONMENT	
EQUIPMENT DESCRIPTION	EINVINOINIGINI		
	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X - 100A Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-O1 237X627G4 Purchase Order Number: 640-1001 Function/Service: CONTROL ROD POSITION AND TEMP MONITOR	Relative Humidity (%)	100	
	Chemical Spray	DEMIN WATER	
	Radiation (Rad)	1.1 ΞΟ8	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
DRYWELL WALL		1.1E05 RADS	
AZ 305 Elevation 611'0"	Submergence	NA NA	
Flood Level Elevation: 583' O" Above Flood Level:			

	1	FANCIONATAIT	
EQUIPMENT DESCRIPTION	ENVIRONMENT		
	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-100B Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
640-1001 Function/Service: LOW VOLTAGE POWER/	Chemical Spray	DEMIN WATER	
ELECTRICAL SIGNALS	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F 1.1EO6 RADS	
AZ 315 Elevation 611′ O"	Submergence	NA	
Flood Level Elevation: 583' O"		G-0858-03	

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTFMENT DESCRIPTION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOLS	
Plant I.D. Number: 1X-100C Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
640-1001 Function/Service: SRM/IRM, LPRM	Chemical Spray	DEMIN WATER	
MONITORING	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
DRYWELL WALL		1.1EOG RADS	
AZ 75 Elevation 609'6"	Submergence	NA	
Flood Level Elevation: 583′ ()" Above Flood Level:			

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTP MENT DESCRIPTION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-100D Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
640-1001 Function/Service: SRM/IRM, LPRM	Chemical Spray	DEMIN WATER	
MONITORING	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F 1.1EO6 RADS	
AZ 80 Elevation 611'6"	Submergence	NA	
Flood Level Elevation: 583' O"	 	G-0858-03	

Revision 2

Date: 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		
Eddi MENT BESCHI TION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-100E Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
640-1001 Function/Service: SRM/IRM, LPRM	Chemical Spray	DEMIN WATER	
MONITORING	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
DRYWELL WALL AZ 130 Elevation 611' 6"	Submergence	1.1EO6 RADS	
Flood Level Elevation: 583′ O" Above Flood Level: Yes: X No:	<u> </u>		

EQUIPMENT DESCRIPTION	ENVIRONMENT	
ECOTEMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-100F Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-01 237X627G4 Purchase Order Number: 640-1001 Function/Service: CONTROL ROD POSITION	Relative Humidity (%)	100
	Chemical Spray	DEMIN WATER
AND TEMP MONITOR	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1EO6 RADS
AZ 230 Elevation 610′0"	Submergence	NA
Flood Level Elevation: 583' O" Above Flood Level:	,	G-0858-03

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Date: 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit: Docket No: 50-254

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

FOLUDIARNI DECORIDITION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-100G Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-O1 237X627G4 Purchase Order Number: 640-1001 Function/Service: LOW VOLTAGE POWER/ ELECTRICAL SIGNALS	Relative Humidity (%)	100
	Chemical Spray	DEMIN WATER
	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1E06 RADS
AZ 235 Elevation 610' O"	Submergence	NA
Flood Level Elevation: 583' Q" Above Flood Level:		

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-101A Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
640-1001 Function/Service: CONTROL ROD POSITION	Chemical Spray	DEMIN WATER
AND TEMP MONITOR .	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1EO6 RADS
AZ 50 Elevation 609' 6"	Submergence	NA
Flood Level Elevation: 583' O"		G-0858-03

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Yes: X No:

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Eddit MENT BESSITE TION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOLS
Plant I.D. Number: 1X-101B Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PS1A)	63.0
Mode! Number: F-01 237X627G4 Purchase Order Number: 640-1001 Function/Service: CONTROL ROD POSITION	Relative Humidity (%)	100
	Chemical Spray	DEMIN WATER
AND TEMP MONITOR	Radiation (Rad)	1.1 EO3
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1E06 RADS
AZ 60 Elevation 609'6"	Submergence	NA .
Flood Level Elevation: 583′ O" Above Flood Level:		

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EGGIFMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-101D Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
640-1001 Function/Service: RECIRC PUMP 1B	Chemical Spray	DEMIN WATER
MEDIUM VOLTAGE	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL AZ 210 Elevation 610' O"	Submergence	1.1EO6 RADS NA
Flood Level Elevation: 583' O"		G-0858-03

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Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS .
Plant I.D. Number: 1X-102A Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
640-1001 Function/Service: RECIRC PUMP 1A	Chemical Spray	DEMIN WATER
MEDIUM VOLTAGE	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1EO6 RADS
AZ 30 Elevation 609'6"	Submergence	NA
Flood Level Elevation: 583′ O" Above Flood Level: Yes: X No:		

EQUIPMENT DESCRIPTION	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-103 Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
SPEC R-2349 Function/Service: THERMOCOUPLES	Chemical Spray	DEMIN WATER
TEMP MONITOR	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F
AZ 40 Elevation 605' 6"	Submergence	1.1EOG RADS NA
Flood Level Elevation: 583' O"	<u> </u>	G-0858-03

Component Sheet No. 273 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-104B Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
SPEC R-2349 Function/Service: CONTROL ROD POSITION	Chemical Spray	DEMIN WATER
AND TEMP MONITOR	Radiation (Rad)	1.1 EO3
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1EO6 RADS
AZ 300 Elevation 611' O"	Submergence	NA
Flood Level Elevation: 583' O" Above Flood Level: Yes: X No:	<u> </u>	

501115115115 555551551011	ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-104C Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PS1A)	63.0
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
SPEC R-2349 Function/Service: RECIRC PUMP 1A	Chemical Spray	DEMIN WATER
MEDIUM VOLTAGE	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F 1.1EO6 RADS
AZ 35 'Elevation 609' 6"	Submergence	NA
Flood Level Elevation: 583' O"		G-0858-03

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Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Yes: X No:

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yescχ No:

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EQUIPMENT DESCRIPTION	ENVIRONMENT	
	Parameter	Specifica-ion
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-104F Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-O1 237X627G4 Purchase Order Number: SPEC R-2349 Function/Service: LOW VOLTAGE POWER/	Relative Humidity (%)	100
	Chemical Spray	DEMIN WATER
ELECTRICAL SIGNALS	Radiation (Rad)	1.1 EO∃
Accuracy: Spec: NA Demo: NA Location	Aging	150 F
DRYWELL WALL		1.1E06 RADS
AZ 240 Elevation 610'0"	Submergence	NA
Flood Level Elevation: 583' O" Above Flood Level:		

FOUIDMENT DESCRIPTION		ENVIRONMENT	
EQUIPMENT DESCRIPTION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-105A Component ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-01 237X627G4 Purchase Crder Number:	Relative Humidity (%)	100	
SPEC R-2349 Function/Service: LOW VOLTAJE POWER/	Chemical Spray	DEMIN WATER	
ELECTRICAL SIGNALS	Radiation (Rad)	1.1 E08	
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F	
AZ 335 Elevation 611′O'	Submergence	NA	
Flood Level Elevation: 583' O"		G-0858-03	

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

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Above Flood Level:

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT	
Eddir Melvi Descrir From	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 1X-105B Component: ELECTRICAL	Temperature (°F)	334
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100
SPEC R-2349 Function/Service: LOW VOLTAJE POWER/	Chemical . Spray	DEMIN WATER
ELECTRICAL SIGNALS	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA	Aging	150 F
DRYWELL WALL	<u> </u>	1.1EO6 RADS
AZ 110 Elevation 611' 6"	Submergence	NA
Flood Level Elevation: 583' O"		· · · · · · · · · · · · · · · · · · ·

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTAMENT DESCRIPTION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-105C Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
SPEC R-2349 Function/Service: CONTROL ROD POSITION	Chemical Spray	DEMIN WATER	
AND TEMP MONITOR	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
DRYWELL WALL		1.1EO6 RADS	
AZ 115 Elevation 611'6"	Submergence	NA .	
Flood Level Elevation: 583' O"		G-0858-03	

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Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION		ENVIRONMENT			
	Parameter	Specificat on			
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS			
Plant I.D. Number: 1X-105D Component: ELECTRICAL	Temperature (°F)	334			
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0			
Model Number: F-O1 237X627G4 Purchase Order Number:	Relative Humidity (%)	100			
SPEC R-2349 Function/Service: RECIRC PUMP 1B	Chemical Spray	DEMIN WATER			
MEDIUM VOLTAGE	Radiation (Rad)	1.1 EO3			
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F 1.1E06 RADS			
AZ 200 Elevation 610' O"	Submergence	NA			
Flood Level Elevation: 583' O" Above Flood Level: Yes: X No:					

EQUIPMENT DESCRIPTION	ENVIRONMENT		
ECCOPMENT DESCRIPTION	Parameter	Specification	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	
Plant I.D. Number: 1X-107A Component: ELECTRICAL	Temperature (°F)	334	
PENETRATION Manufacturer: GE-NEBS	Pressure (PSIA)	63.0	
Model Number: F-01 237X627G4 Purchase Order Number:	Relative Humidity (%)	100	
SPEC R-2349 Function/Service: SRM/IRM, LPRM	Chemical Spray	DEMIN WATER	
MONITORING	Radiation (Rad)	1.1 EO8	
Accuracy: Spec: NA Demo: NA Location	Aging	150 F	
DRYWELL WALL. AZ 135 Elevation 611' 6"	Submergence	1.1EOG RADS NA	
Flood Level Elevation: 583' O"		G-0858-03	

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> Elevation: Above Flood Level: Yes:

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SYSTEM COMPONENT EVALUATION WORKSHEET

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COLUBIATION DECORIDATION		ENVIRONMENT				OUTSTANDING	
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD ITEMS	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: SEE ATTACHED SHEETS Component: TERMINAL BLOCKS	Temperature (°F)	334		REF.			SEE NOTE
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number:							
Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER		REF.			SEE NOTE
	Radiation (Rad)	1.1 EO8		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F 1.8 EO7 RADS		REF.		-	SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA	NA		
Flood Level		,		<u>.</u>		l	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWE'LL TEMPERATURE ANALYSIS CHRON 05642. B. FSAR FIGURE 5.2.17 C. FSAR SECTION 6.2.4.2.2 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217. TABLE 4-3	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	FOR ENVIRONMENTAL CONDITIONS. B. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION INCIDENT AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRONMENTAL CONDITIONS.

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SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EUGIPMENT DESCRIPTION	Parameter	Specification .			
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS			
Plant I.D. Number: 79-01B-2 Component: TERMINAL BLOCKS	Temperature ("F)	334			
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0			
Model Number:	Relative Humidity (%)	100			
Purchase Order Number:		·			
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER			
SIGNALS/POWER	Radiation (Rad)	1.1 EO3			
Accuracy: Spec: NA Demo: NA Location	Aging	150 F			
DRYWELL WALL	<u> </u>	1.8 EO7 RADS			
Elevation 605′6"	Submergence	NA			
Flood Level Elevation: 583'O" Above Flood Level: Yes: X No:	<u> </u>				

·		
FOLUDIARILE DECORURTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS
Plant I.D. Number: 79-01B-7 Component: TERMINAL BLOCKS	Temperature (°F)	334
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0
Model Number:	Relative Humidity (%)	100
Purchase Order Number: Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER
SIGNALS/POWER	Radiation (Rad)	1.1 EO8
Accuracy: Spec: NA Demo: NA Location DRYWELL WALL	Aging	150 F 1.8 EO7 RADS
Elevation 606′0"	Submergence	NA
Flood Level Elevation: 583'0"	<u> </u>	G-0858-03

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SYSTEM COMPONENT EVALUATION WORKSHEET .

EQUIPMENT DESCRIPTION		ENVIRONMENT			
EGOT WENT DESCRIPTION	Parameter	Specifica-ion			
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUDUS			
Plant I.D. Number: 79-01B-1 Component: TERMINAL BLOCKS	Temperature (°F)	334			
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0			
Model Number:	Relative Humidity (%)	100			
Purchase Order Number:					
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER			
SIGNALS/POWER	Radiation (Rad)	1.1 EO3			
Accuracy: Spec: NA Demo: NA Location	Aging	150 F			
DRYWELL WALL		1.8 EO7 RADS			
Elevation 607′6″	Submergence	NA			
Flood Level Elevation: 583'O" Above Flood Level: Yes: X No:	l L.,				

FOLUDATUT PEROPUTION		ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification			
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS			
Plant I.D. Number: 79-01B-8 Component: TERMINAL BLOCKS	Temperature (°F)	334			
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0			
Model Number:	Relative Humidity (%)	100			
Purchase Order Number:					
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER			
SIGNALS/POWER	Radiation (Rad)	1.1 EO8			
Accuracy: Spec: NA Demo: NA	Aging	150 F			
Location DRYWELL WALL		1.8 EO7 RADS			
Elevation 605′ 6"	Submergence	NA			
Flood Level		G-0858-03			

Elevation: 583'0" Above Flood Level: Yes: X No:

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Above Flood Level: Yes:

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EQUIPMENT DESCRIPTION	·	ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EGOTFWENT DESCRIPTION	Parameter	Specification.	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: SEE ATTACHED SHEETS Component: TERMINAL BLOCKS	Temperature (°F)	334		REF.			SEE NOTE
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: Function/Service: SEE ATTACHED SHEETS	Chemical Spray	DEMIN WATER	,	REF.			SEE NOTE
	Radiation (Rad)	1.1 EO8		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	150 F 1.8 EO7 RADS		REF.			SEE NOTE
Elevation: SEE ATTACHED SHEETS	Submergence	NA NA	NA	NA	NA		
Flood Level Elevation:	<u> </u>			1	1,	L	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. NSEO-52-0682, DRF ND. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. B. FSAR FIGURE 5.2.17 C. FSAR SECTION 6.2.4.2.2 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. THIS EQUIPMENT WILL BE REPLACED WITH QUALIFIED EQUIPMENT DURING THE STATION OUTAGE PRESENTLY SCHEDULED TO END IN MAY 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. SIMILAR ITEMS HAVE BEEN PARTIALLY TESTED

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	FOR EQUIVALENT ENVIRONMENTAL CONDITIONS. B. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION INCIDENT AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRONMENTAL CONDITIONS.

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SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT				
	Parameter	Specification			
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUDUS			
Plant I.D. Number: 79-01B-4 Component: TERMINAL BLOCKS	Temperature (°F)	334			
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0			
Model Number:	Relative Humidity (%)	100 .			
Purchase Order Number:					
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER			
SIGNALS/POWER	Radiation (Rad)	1.1 EO8			
*Accuracy: Spec: NA Demo: NA Location	Aging	150 F			
DRYWELL WALL		1.8 EO7 RADS			
Elevation 605′0"	Submergence	NA			
Flood Level Elevation: 583'O" Above Flood Level: Yes: X No:					

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification		
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: 79-01B-5 Component: TERMINAL BLOCKS	Temperature (°F)	334		
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA):	63.0		
Model Number:	Relative Humidity (%)	100		
Purchase Order Number:				
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER		
SIGNALS/POWER	Radiation (Rad)	1.1 EO8		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
DRYWELL WALL Elevation	Submergence	1.8 EO7 RADS		
Flood Level Elevation: 583'0"	1	G-0858-03		

Elevation: 583'0" Above Flood Level: Yes: X No:

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Above Flood Level:

Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			
Eddir WENT DESCRIPTION	Parameter	Specification		
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: 79-01B-3 Component: TERMINAL BLOCKS	Temperature (°F)	334		
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0		
Model Number:	Relative Humidity (%)	100		
Purchase Order Number:				
Function/Service: TRANSMIT ELECTRICAŁ	Chemical Spray	DEMIN WATER		
SIGNALS/POWER	Radiation (Rad)	1.1 EO8		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
DRYWELL WALL		1.8 EO7 RADS		
Elevation 607′6"	Submergence	NA		
Flood Level Elevation: 583'0"	l			

EQUIPMENT DESCRIPTION	ENVIRONMENT			
EGOTIMENT DESCRIPTION	Parameter	Specification		
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		
Plant I.D. Number: 79-01B-6 Component: TERMINAL BLOCKS	Temperature (°F)	334		
(TYPICAL 2 UNITS) Manufacturer: ALLEN BRADLEY	Pressure (PSIA)	63.0		
Model Number:	Relative Humidity (%)	100		
Purchase Order Number:				
Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	DEMIN WATER		
SIGNALS/POWER	Radiation (Rad)	1.1 EO8		
Accuracy: Spec: NA Demo: NA Location	Aging	150 F		
DRYWELL WALL		1.8 EO7 RADS		
Elevation 607′0"	Submergence	NA		
Flood Level		G-0858-03		

Elevation: 583'0"

Above Flood Level:

Yes: X No:

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Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
EGUIFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NĄ	·		SEE NOTE
Plant I.D. Number: CABLE Component: ANHYDREX XX	Temperature (°F)	304		REF.			SEE NOTE
PLASTEX INSU & UKT Manufacturer: SIMPLEX	Pressure (PSIA)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.	, · · · · · · · · · · · · · · · · ·		SEE NOTE
Purchase Order Number: SPEC-COM. ED EM-29116 SIMPLEX-XM Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	NA .	NA	NA.	NA NA		
POWER	Radiation (Rad)	3.9 E07		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS - OUTSIDE	Aging	150 F 4.1 E06 RADS		REF. (C)			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA .	NA	NA	NA +		

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THEY MUST BE QUALIFIED.
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Facility: Unit:

QUAD.

Elevation: 583'0"
Above Flood Level:
Yes: X No:

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	ENVIRONMENT		DOCUMENTAT	ON REFERENCES	QUALIFICATION	OUTSTANDING
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	CONTINUOUS	•	NA			SEE NOTE
Temperature (^F)	304	<u>:</u>	REF.			SEE NOTE
Pressure (PSIA)	21.2		REF.			SEE NOTE
Relative "Humidity (%)	100	-	REF.			SEE NOTE
Chemical Spray	NA	NA	REF.			
Radiation (Rad)	3.9 EÖ7		REF.			SEE NOTE
Aging	150 F 4.1 EO6 RADS		REF.			SEE NOTE
Submergence	NA	NA	NA	NA		
	Operating Time Temperature (°F) Pressure (PSIA) Relative "Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time CONTINUOUS Temperature (°F) 304 Pressure (PSIA) 21.2 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 3.9 E07 Aging 150 F 4.1 E06 RADS Submergence	Parameter Specification Qualification Operating Time CONTINUOUS Temperature (°F) 304 Pressure (PSIA) 21.2 Relative Humidity (%) 100 Chemical Spray NA NA Radiation (Rad) 3.9 E07 Aging 150 F 4.1 E06 RADS Submergence	Parameter Specification Qualification Spec. Operating Time CONTINUOUS NA Temperature (°F) 304 REF. (A) Pressure (PSIA) 21.2 REF. (A) Relative Humidity (%) 100 REF. (A) Chemical Spray NA NA REF. (B) Radiation (Rad) 3.9 E07 REF. (C) Aging 150 F REF. (D) Submergence REF. (D)	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NA Temperature (°F) 304 REF. (A) Pressure (PSIA) 21.2 REF. (A) Relative Humidity (%) 100 REF. (A) Chemical Spray NA NA REF. (B) Radiation (Rad) 3.9 E07 REF. (C) Aging 150 F REF. (D) Submergence	Parameter Specification Qualification Spec. Qual.

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FUNTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE WOOLLS RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH

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COMMONWEALTH EDISON

Owner: Facility: Unit: Docket:

QUAD CITIES

1 50-254 SYSTEM COMPONENT EVALUATION WORKSHEET

Revision: 2 Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THEY MUST BE QUALIFIED.
6	

Revision 2 Date 05-01-83

Owner:

COMMONWEALTH EDISON

Owner. Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

FOLUDIASNI PEROPURILON	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE (1)
Plant I.D. Number: CABLE Component: BUTYL RBR INSU POLYVN	Temperature (°F)	304		REF.			SEE NOTE
CHLORIDE JKT Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: #205-H0113 Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	NA	NA	NA	NA		
POWER	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS - OUTSIDE	Aging	150 F 4.1 EO6 RADS		REF.			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA .	NA		
Flood Level	L				.1	· ·	<u> </u>

DOCUMENTATION REFERENCES -	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

COMMONWEALTH EDISON

Owner: Facility: Unit:

Docket:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Revision: 2 Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH

Component Sheet No. 293 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)		NOTES (cont.)
		THEY MUST BE QUALIFIED.
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Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50-254

Elevation: NA
Above Flood Level:
Yes: No

FOUIDMENT DESCRIPTION	ENVIRONMENT .			DOCUMENTAT	DOCUMENTATION REFERENCES		OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		N A			SEE NOTE
Plant I.D. Number; CABLE Component: BUTYL RBR INSU POLYVN	Temperature (°F)	304	,	REF.			SEE NOTE
CHLORIDE JKT Manufacturer: SIMPLEX	Pressure (PSIA)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100	·	REF.			SEE NOTE
Purchase Order Number: 3447-117 Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	NA NA	NA	NA	NA		
POWER	Radiation (Rad)	3.9 EO7	;	REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS-OUTSIDE	Aging	150 F 4.1 EO6 RADS	:	REF.			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA	NA		
DRYWELL Elevation:			NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. 'ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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Owner:

COMMONWEALTH EDISON

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CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSCOUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CASLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK, HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK, HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. ROUNDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE. TEMPERATURE.	DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE	DUCUMENTATION REPERENCES (CONT.)	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE. AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

DOCUMENTATION	REFERENCES (cont.)	NOTES (cont.)	
		THEY MUST BE QUALIFIED.	<u> </u>
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Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Above Flood Level: Yes:

No:

Facility: Unit:

QUAD CITIES

Docket No: 50-254

FOLUDIATION DECORRESTORY	ENVIRONMENT			DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: CABLE Component: BUTYL RBR INSU POLYVN	Temperature (°F)	304		REF.			SEE NOTE
CHLORIDE JKT Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 205-H0113 Function/Service: 600V CONTROL CABLE	Chemical Spray	DEMIN WATER		REF.			SEE NOTE
	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: OUTSIDE DRYWELL	Aging	150 F 4.1 EO6 RADS		REF.			SEE NOTE
Elevation: VARIOUS	Submergence	NA	NA .	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. FSAR SECTION 6.2.4.2.2 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQUIPMENT BY ANALYSIS AND/OR TESTING, OTHERWISE THE EQUIPMENT OR PARTS THEREOF WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ON SITE. ALTHOUGH

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COMMONWEALTH EDISON

Facility: Unit; QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. SIMILAR COMPONENTS HAVE BEEN SUCCESSFULLY QUALIFIED FOR THE REQUIRED ENVIRONMENTAL CONDITIONS. B. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION INCIDENT AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRONMENTAL CONDITIONS.
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Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50-254

Elevation: 583'0" Above Flood Level: Yes: X No:

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EGOTPWENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	100 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: CROSSLINKED POLYOLEFI	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
W-16 AWG DRN & JKT Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	113.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: TWO CONDUCTOR SHLD.	Chemical Spray	DEMIN WATER	NA2S2O3 PH9-11	REF.	REF.	SIMULTANEOUS TEST	
FOR LOW VOLTAGE SIGNA	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F 1.35 E07 RAD	250F FOR 168 HR	REF.	REF.	SEQUENTIAL TEST	
OUTSIDE DRYWELL Elevation: 583'O"	Submergence	NA	NA .	NA	NA		
Flood Level					<u> </u>	<u> </u>	<u> </u>

DOCUMENTATION REFERENCES NOTES A. ISOMEDIX-QUALIFICATION TEST OF 1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY LOCAL/DBE BY SEQUENTIAL EXPOSURE ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED TO ENVIRONMENTS OF RADIATION. STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS-THERMAL AGING, STEAM AND CHEMICAL A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE SPRAY JUNE 1978. B. NSE0-52-0682, DRF NO. T23-00442- DRESDEN 2&3 STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 300 Revision: 2 Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217. TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

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Date 05-01-83

COMMONWEALTH EDISON QUAD CITIES

Owner: Facility: Unit:

Docket No: 50-254

Elevation: 583'0" Above Flood Level: Yes: χ No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTAMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: CSPE INSUL., POLYEST	Temperature (°F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
ALUMINUM SHLD. Manufacturer: ROCKBESTOS, DIVISION CERRO CORP.	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: CARRY INSTRUMENTATION	Chemical Spray	DEMIN WATER	H3 B03	REF.	REF.	SIMULTANEOUS TEST	
SIGNALS	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F 1.35 EO7 RAD	250F F0R 168 HR	REF.	REF.	SEQUENTIAL TEST	
OUTSIDE DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA	NA		
Flood Level	L	 	L		1	1	1

DOCUMENTATION REFERENCES	NOTES
A. F-C3798-QUALIFICATION TESTS OF REACTOR CONTAINMENT SERVICE CONDITIONS INCLUDING LOSS-OF-COOLANT ACCIDENT WHILE ELECTRICALLY ENERGIZED. B. NSEO-52-O682, DRF NO. T23-OO442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 302 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket: QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
C. FSAR FIGURE 5.2.17 D. FSAR SECTICN 6.2.4.2.2 E. BECHTEL RACIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50~254

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ÉNVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EUGIPINIENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	· NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPDM I INSUL. W/HAPAL	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
COND. UKT Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number;	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: THERMOCOUPLE WIRE	Chemical Spray	DEMIN WATER	НЗ ВОЗ	REF.	REF.	SIMULTANEOUS TEST	
TWO CONDUCTOR	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F 1.35 EO7 RAD	250F FOR 168 HR	REF.	REF.	SEQUENTIAL TEST	
OUTSIDE DRYWELL Elevation: 583'0"	Submergence	NA	NA	NA	NA		
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Flood Level
Elevation: 583'0"
Above Flood Level:
Yes: X No:

DOCUMENTATION REFERENCES	NOTES
A. F-C 3683-QUALIFICATION TESTS OF ELECTRIC NORMAL REACTOR CONTAINMENT SERVICE AND A LOSS-OF-COOLANT ACCIDENT B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 304 Revision: 2 Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket:

QUAD CITIES 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM-
	INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH
	RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON- STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

1

QUAD CITIES

Docket No: 50-254

Elevation: 583'O" Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT .		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
ECOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF. ,	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPDM I INSUL. W/HAPAL	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
COND. UKT Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: LOW VOLTAGE	Chemical Spray	DEMIN WATER	нз воз	REF.	REF.	SIMULTANEOUS TEST	
SIGNAL TWO CONDUCTOR	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F 1.35 E07 RAD	250F FOR 168HR	REF. (F)	REF.	SEQUENTIAL TEST	
OUTSIDE DRYWELL Elevation: 583'0"	Submergence	. NA	NA	NA	NA		
Flood Level						I	<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. F-C 3683-QUALIFICATION TESTS OF ELECTRIC NORMAL REACTOR CONTAINMENT SERVICE AND A LOSS-OF-COOLANT ACCIDENT B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 306 Revision: 2

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket:

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50-254

QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON- STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

QUAD CITIES

Unit: Docket No:

50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTEMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPDM II INSUL. W/HAPA	Temperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
COND. JKT Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Mode! Number: NA Purchase Order Number:	Relative Humidity (%)	100 -	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service:	Chemical Spray	DEMIN WATER	нз воз	REF.	REF.	SIMULTANEOUS TEST	
TWO CONDUCTOR	Radiation (Rad)	1.1 EO8 ,	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging	150 F 1.35 EO7 RAD	250F F0R 168 HR	REF.	REF.	SEQUENTIAL TEST	
Elevation: VARIOUS	Submergence	NA	NA .	NA	NA		
Flood Level	L		 			<u>!</u>	· · · · · · · · · · · · · · · · · · ·

Elevation: NA Above Flood Level: Yes:

A. F-C 3683-QUALIFICATION TESTS OF ELECTRIC 1. QUALIFICAT	TION OF THIS EQUIPMENT WILL BE COMPLETED BY
A LOSS-OF-COOLANT ACCIDENT B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. STE	BEFORE THE END OF SEPTEMBER 1983. CONTINUED PERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- OF THE PLANT AREAS WHICH COULD EXPERIENCE RSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE EAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) NTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 308 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

DOCUMENTATION REFERENCES (cont.)

QUAD CITIES

D. FSAR SECTION 6.2.4.2.2

E. BECHTEL RADIATION STUDY

F. NEDO REPORT 24217, TABLE 4-3

Facility: Unit: Docket:

1

50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

NOTES (cont.) OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN-TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM-INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE. TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION. STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT-ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON-STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
ystem: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	100 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPDM INSUL. W/HAPALON	Temperature ("F)	334	340	REF. (B)	REF.	SIMULTANEOUS TEST	·
JKT DRN. AND SHLD. Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Purchase Order Number: Function/Service: TWO CONDUCTOR SHLD.	Chemical Spray	DEMIN WATER	NA2S2O3 PH9-11	REF.	REF.	SIMULTANEOUS TEST	
FOR LOW VOLTAGE SIGNA	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA .ocation: VARIOUS - INSIDE/	Aging .	150 F 1.35 EO7 RAD	250F FOR 168 HR	REF. (F)	REF.	SEQUENTIAL TEST	
OUTSIDE DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. ISOMEDIX-QUALIFICATION TEST OF LOCAL/DBE BY SEQUENTIAL EXPOSURE TO ENVIRONMENTS OF RADIATION, THERMAL AGING, STEAM AND CHEMICAL SPRAY JUNE 1978. B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 310
Revision: 2
Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket: QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE
	RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Component Sheet No: 311 Revision 2 Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket No:

50-254

Elevation: NA Above Flood Level: Yes:

No:

QUAD CITIES

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA ·	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPR INSUL. CSPE JKT.	Temperature (°F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
Manufacturer: ANACONDA WIRE AND CABLE COMPANY	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: LOW VOLTAGE POWER	Chemical Spray	DEMIN WATER	NA2 S2 03 9-11	REF.	REF.	SIMULTANEOUS TEST	
art.	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F	320F FOR 168 HR	REF.	REF.	SEQUENTIAL TEST	
OUSTSIDE DRYWELL Elevation: 583'0"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. F-C4350-4 TEST OF ELECTRICAL AGING, GAMMA RADIATION, AND A LOSS-OF-COOLANT ACCIDENT SIMULATION. B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Revision: 2

Date: 05-01-83

Owner: COM

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON- STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	100 DAYS	NA .	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPR W/CSPE JKT.,	Temperature (^F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
FR SHLD, DRN WIRE Wanufacturer: BOSTON INSULATED WIRE	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: LOW VOLTAGE MULTI-	Chemical Spray	DEMIN WATER	H3 B03 10.5 PH	REF.	REF.	SIMULTANEOUS TEST	
CONDUCTOR SIGNAL CABL	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: VARIOUS - INSIDE/	Aging	150 F 1.35 EO7 RAD	250 F FOR 168 HR	REF.	REF.	SEQUENTIAL TEST	
DUTSIDE DRYWELL Elevation: 583'O"	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. B910-B1W BOSTRAD CABLES CABLES FOR NUCLEAR POWER PLANTS. B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 314 Revision: 2

Date: 05-01-83

COMMONWEALTH EDISON Owner:

Facility: QUAD CITIES Unit:

Docket:

50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON-
	STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Elevation: 583'0" Above Flood Level: Yes: X No:

Docket No: 50-254

EQUIPMENT DESCRIPTION		ENVIRON MENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
Edulphien Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	100 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPR W/CSPE UKT.,	Temperature (^F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
FR SHLD, DRN WIRE Manufacturer: BOSTON INSULATED WIRE	Pressure (PSIA)	63.0	119.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: LOW VOLTAGE TWO CONDUCTOR SIGNAL CABL	Chemical Spray	DEMIN WATER	NA2 S2 03 10.5 PH	REF.	REF.	SIMULTANEOUS TEST	
	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging	150 F 1.35 E07 RAD	250F F0R 168 HR	REF.	REF.	SEQUENTIAL TEST	
Elevation: 583'0"	Submergence	NA ·	. NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. REPORT NO. B910-B1W BOSTRAD CABLES CABLES FOR NUCLEAR POWER PLANTS. B. NSE0-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWE_L TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 316
Revision: 2
Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket:

50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: 583'0" Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: EPR W/NEOPRENE INSUL.	Temperature (°F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
Manufacturer: ROCKBESTOS, DIVISION CERRO CORP.	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: CONTROL CABLE 600V	Chemical Spray	DEMIN WATER	NA2 S2 03 9-11 PH	REF.	REF.	SIMULTANEOUS TEST	
	Radiation . (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging	150 F 1.35 E07 RAD	250F FOR 168 HR	REF.	REF.	SEQUENTIAL TEST	
Elevation: \$583'0"	Submergence	NA NA	NA	NA	NA		
Flood Level			· · · · · · · · · · · · · · · · · · ·		<u> </u>	<u> </u>	L

DOCUMENTATION REFERENCES	NOTES
A. F-C3798-QUALIFICATION TESTS OF REACTOR CONTAINMENT SERVICE CONDITIONS INCLUDING LOSS-OF-COOLANT ACCIDENT WHILE ELECTRICALLY ENERGIZED. B. NSEO-52-O682, DRF NO. T23-OO442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 318
Revision: 2
Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)		
C. AND FSAR TABLE 5.2.1 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.		

Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: 583'O" Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EGOTFWENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	SEE NOTE (1) 100 DAYS	NA	REF.	SIMULTANEOUS TEST	
Plant I.D. Number: CABLE Component: FR-EPDM AND 16 AWG	Temperature (°F)	334	336	REF.	REF.	SIMULTANEOUS TEST	SEE NOTE
AND HYPALON JKT. Manufacturer: SAMUEL MOORE AND COMPANY	Pressure (PSIA)	63.0	117.7	REF. (C)	REF.	SIMULTANEOUS TEST	
Model Number:	Relative Humidity (%)	100	100	REF.	REF.	TEST	
Purchase Order Number: Function/Service: TWO CONDUCTOR SHLD.	Chemical Spray	DEMIN WATER	NA2S2O3 PH9-11	REF.	REF.	SIMULTANEOUS TEST	
FOR LOW VOLTAGE SIGNA	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging	150 F 1.35 EO7 RAD	121 C FOR 168 HR 40 YR	REF.	REF.	SEQUENTIAL TEST	
Elevation: VARIOUS	Submergence	NA	NA	NA	NA		
Flood Level	L1	· · · · · · · · · · · · · · · · · · ·	<u> </u>		L		<u> </u>

DOCUMENTATION REFERENCES	NOTES
A. ISOMEDIX-QUALIFICATION TEST OF LOCAL/DBE BY SEQUENTIAL EXPOSURE TO ENVIRONMENTS OF RADIATION, THERMAL AGING, STEAM AND CHEMICAL SPRAY JUNE 1978. B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

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Date: 05-01-83

Owner:

COMMONWEALTH EDISON

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QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON QUAD CITIES '

Facility: Unit:

Docket No: 50-254

Elevation: NA Above Flood Level:

Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EGGIFIMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	. CONTINUOUS	,	NA .			SEE NOTE
Plant I.D. Number: CABLE Component: MULTI PAIR WITH	Temperature (°F)	304		REF.			SEE NOTE
OVERALL SH CU CON Manufacturer: GENERAL ELECTRIC	Pressure (PS1A)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 205-H0113 Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	NA .	NA	NA	NA		
SIGNALS	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS - OUTSIDE	Aging	150 F 4.1 EOG RADS		REF.			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA	NA		
Flood Level		L			<u> </u>	I	

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

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Revision: 2
Date: 05-01-83

Owner:

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Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON- STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.
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Revision 2

Date 05-01-83

Owner:

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Facility: Unit: QUAD CITIES

Elevation: 583'O" Above Flood Level: Yes: X No:

Docket No: 50-254

FOLUDMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	100 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: OKONITE EPR INSUL.	Tomperature (°F)	334	340	REF.	REF.	SIMULTANEOUS TEST	
WITH OKO COVER AND OV Manufacturer: OKONITE CO.	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Purchase Order Number: Function/Service: 600V LOW VOLTAGE	Chemical Spray	DEMIN WATER	CHEMICAL SPRAY	REF.	REF.	SIMULTANEOUS TEST	
POWER CABLE	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging	150 F	302F FOR 504 HR	REF.	REF.	SEQUENTIAL TEST	
Elevation: VARIOUS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. ENGINEERING REPORT NO. 266R.1- FOR NUCLEAR POWER PLANT SERVICE B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

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Date 05-01-83

Owner:

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Facility: Unit:

QUAD CITIES

Docket No:

Elevation: NA Above Flood Level: Yes:

No:

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ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
Operating Time	CONTINUOUS		NA			SEE NOTE
Temperature (^F)	304		REF.			SEE NOTE
Pressure (PSIA)	21.2		REF.			SEE NOTE
Relative Humidity (%)	100		REF.			SEE NOTE
Chemical . Spray	NA	NA _.	NA	NA		
Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Aging	150 F 4.1 EO6 RADS		REF.			SEE NOTE
Submergence	NA	NA	NA	NA		
	Operating Time Temperature (°F) Pressure (PSIA) Relative Humidity (%) Chemical Spray Radiation (Rad) Aging	Parameter Specification Operating Time CONTINUOUS Temperature (°F) 304 Pressure (PSIA) 21.2 Relative Humidity (%) 100 Chemical Spray NA Radiation (Rad) 3.9 E07 Aging 150 F 4.1 E06 RADS Submergence	Parameter Specification Qualification Operating Time CONTINUOUS Temperature (°F) 304 Pressure (PSIA) 21.2 Relative Humidity (%) 100 Chemical Spray NA NA Radiation (Rad) 3.9 E07 Aging 150 F 4.1 E06 RADS Submergence	Parameter Specification Qualification Spec. Operating Time CONTINUOUS NA Temperature (*F) 304 REF. (A) Pressure (PSIA) 21.2 REF. (A) Relative Humidity (%) 100 REF. (A) Chemical Spray NA NA NA NA Radiation (Rad) 3.9 E07 REF. (B) Aging 150 F REF. (C) 4.1 E06 RADS	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NA NA Temperature (°F) 304 REF. (A) REF. (A) Pressure (PSIA) 21.2 REF. (A) REF. (A) Relative Humidity (%) 100 NA NA NA Chemical Spray NA NA NA NA Radiation (Rad) 3.9 E07 REF. (B) REF. (C) Aging 150 F REF. (C) (C)	Parameter Specification Qualification Spec. Qual. Operating Time CONTINUOUS NA REF. Temperature (°F) 304 REF. (A) REF. (A) Pressure (PSIA) 21.2 REF. (A) REF. (A) Relative Humidity (%) 100 REF. (A) NA Chemical Spray NA NA NA NA Radiation (Rad) 3.9 E07 REF. (B) REF. (C) Aging 150 F (C) REF. (C) REF. (C)

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

Component Sheet No. 326 Revision: 2

Owner:

COMMONWEALTH EDISON

Facility: Unit: Docket:

QUAD CITIES

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SYSTEM COMPONENT EVALUATION WORKSHEET

Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU RUDMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED TO REBLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)	
	THEY MUST BE QUALIFIED.	
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Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON Facility:

Elevation: 583'0" Above Flood Level: Yes: X No:

Unit:

QUAD CITIES

Docket No: 50-254

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING
Edon MENT DESCRIPTION	Parameter	Specification	Qualification	. Spec.	Qual.	QUALIFICATION METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: CABLE Component: RBR INSU POLYV	Temperature (°F)	334		REF.			SEE NOTE
CHLORIDE JACKET Manufacturer: SIMPLEX	Pressure (PSIA)	63.0		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 3447-117 Function/Service: 600V CONTROL CABLE	Chemical Spray	DEMIN WATER		REF.			SEE NOTE
	Radiation (Rad)	1.1 EO8		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: INSIDE DRYWELL	Aging	150 F 1.35 E07 RAD		REF.			SEE NOTE
Elevation: VARIOUS	Submergence	NA	AN	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642. B. FSAR FIGURE 5.2.17 C. FSAR SECTION 6.2.4.2.2 D. BECHTEL RADIATION STUDY E. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQUIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING THE RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

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Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)		
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. SIMILAR COMPONENTS HAVE BEEN SUCCESSFULLY QUALIFIED FOR THE REQUIRED ENVIRONMENTAL CONDITIONS. B. IDENTICAL COMPONENTS REMAINED FUNCTIONAL DURING THE JUNE 5, 1970 DEPRESSURIZATION AT DRESDEN UNIT 2. THIS INCIDENT RESULTED IN HARSH ENVIRONMENTAL CONDITIONS.		
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Date 05-01-83

Revision 2

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: NA Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTATI	ON REFERENCES	QUALIFICATION METHOD	OUTSTANDING
14	Parameter	Specification	Qualification	Spec.	Qual.		ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: CABLE Component: SINGLE/MULTIPAIR	Temperature (°F)	304		REF.			SEE NOTE
CABLE WITH OVERALL SH Manufacturer: SIMPLEX	Pressure (PSIA)	21.2		REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 3447-117 ITEM#24 COM-ED EST-7026-1 Function/Service: TRANSMIT ELECTRICAL	Chemical Spray	NA .	NA	NA .	NA		
POWER	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS - OUTSIDE	Aging	150 F 4.1 EO6 RADS	· · · · · · · · · · · · · · · · · · ·	REF.			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

Component Sheet No. 331 Revision: 2

Owner:

Docket:

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QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Date: 05-01-83

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)			
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH			

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Owner:

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QUAD CITIES

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THEY MUST BE QUALIFIED.
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Revision 2

Date 05-01-83

Owner: COI

COMMONWEALTH EDISON QUAD CITIES

Facility: Unit:

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Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION		ENVIRONMENT		DOCUMENTAT	DOCUMENTATION REFERENCES		OUTSTANDING
ECOTFMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: SR INSUL. WITH GLASSB	Temperature (°F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
AND SIL. SAT. AS Manufacturer: ROCKBESTOS, DIVISION CERRO CORP.	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: CONTROL CABLE	Chemical Spray	DEMIN WATER	NA2 S2 03 9-11 PH	REF.	REF.	SIMULTANEOUS TEST	
600V	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE/OUTSIDE DRYWEL	Aging .	150 F 1.35 EO7 RAD	250F F0R 168 HR	REF.	REF.	SEQUENTIAL TEST	
Elevation: 583'0"	Submergence	NA	NA	NA	NA		
Flanding	l					l	L

Flood Level
Elevation: 583'O"
Above Flood Level:
Yes: X No:

NOTES
1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 334 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket: 50-254

	
DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
C. FSAR FIGURE 5.2.17, D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility:

Unit: Docket No: 50-254

Above Flood Level: Yes:

QUAD CITIES SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATI	ON REFERENCES	QUALIFICATION	OUTSTANDING
11	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: CABLE Component: SWITCHBOARD~TYPE SIS	Temperature (^F)	304		REF.			SEE NOTE
#SI 57275 VULKENE Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	21.2		REF.			SEE NOTE
Mode! Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 205-H1186 Function/Service: 600V CONTROL CABLE	Chemical Spray	AN	NA	NA	NA		
	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: VARIOUS - OUTSIDE	Aging	150 F 4.1 EO6 RADS		REF.			SEE NOTE
DRYWELL Elevation: VARIOUS	Submergence	NA NA	NA		NA		
Flood Level Elevation: NA					<u></u>		<u></u>

DOCUMENTATION REFERENCES	NOTES .
A. SUMMARY OF TEMPERATURE TRANSTENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

Component Sheet No. 336 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK, HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONDERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY, THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILI

Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON . QUAD CITIES

Facility: Unit: Docket:

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50-254

DOCUMENTATION REFERENCES	S (cont.)	NOTES (cont.)
		THEY MUST BE QUALIFIED.
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Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: QUAD CITIES

Elevation: 583'O" Above Flood Level: Yes: X No:

Unit:

Docket No: 50-254

FOUNDATIVE RESERVED.	ENVIRONMENT			DOCUMENTATION REFERENCES			OUTSTANDING
EQUIPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE Component: XLPE INSUL. WITH	Temperature (°F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
NEOPRENE UKT. Manufacturer: ROCKBESTOS, DIVISION CERRO CORP.	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	·
Model Number: NA Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: CONTROL CABLE	Chemical Spray	DEMIN WATER	NA2 S2 03 9-11 PH	REF.	REF.	SIMULTANEOUS TEST	
GOOV	Radiation (Rad)	1.1 EO8	2.0 EO8	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE OUTSIDE DRYWEL	Aging	150 F 1.35 E07 RAD	250F FOR 168 HR	REF. (F)	REF.	SEQUENTIAL TEST	
Elevation: 583'0"	Submergence	NA	NA	NA	NA		
Flood Level	L		L		1.		1

DOCUMENTATION REFERENCES	NOTES
A. F-C3798-QUALIFICATION TESTS OF REACTOR CONTAINMENT SERVICE CONDITIONS INCLUDING LOSS-OF-COOLANT ACCIDENT WHILE ELECTRICALLY ENERGIZED. B. NSEO-52-O682, DRF NO. T23-OO442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON. O5642.	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Revision: 2

Date: 05-01-83

COMMONWEALTH EDISON

Owner: Facility: Unit: Docket:

QUAD CITIES

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DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
C. AND FSAR TABLE 5.2.1 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217, TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTEN- TIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERM- INATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MAT- ERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMON- STRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

COMMONWEALTH EDISON

Facility: Unit:

Owner:

QUAD CITIES

Docket No: 50-254

Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT .			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
ECOTPWENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD ITEMS	
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number; CABLE Component; 3 TW WITH OVERALL SH	Temperature (°F)	304		REF.			SEE NOTE
Manufacturer: SIMPLEX	Pressure (PSIA)	21.2	:	REF.			SEE NOTE
Model Number:	Relative Humidity (%)	100		REF.			SEE NOTE
Purchase Order Number: 3447-117 ITEM #30 Function/Service: TRANSMIT ELECTRICAL	Chemical' Spray	NA	NA .	NA	NA _.		
SIGNAL	Radiation (Rad)	3.9 EO7		REF.			SEE NOTE
Accuracy: Spec: NA Demo: NA Location: OUTSIDE DRYWELL	Aging	150 F 4.1 EO6 RADS	i i	REF.			SEE NOTE
Elevation: VARIOUS	Submergence	NA	NA ,		NA		

DOCUMENTATION REFERENCES	NOTES
A. SUMMARY OF TEMPERATURE TRANSIENT IN THE MAIN STEAM TUNNEL, NSLD CALC 3C2-0181-001 REV O, DATED NOVEMBER 1982 B. BECHTEL RADIATION STUDY C. NEDO REPORT 24217, TABLE 4-3	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQIPMENT BY ANALYSIS AND OR TESTING, OTHERWISE THE EQUIPMENT WILL BE REPLACED WITH QUALIFIED COMPONENTS DURING THE NEXT REFUELING OUTAGE FOLLOWING RECEIPT OF A QUALIFIED REPLACEMENT ONSITE. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE,

Component Sheet No. 341 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, ISOLATION CONDENSER PIPE CHASE, TORUS COMPARTMENT AND RWCU ROOMS), CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT AREA ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK, AND WHICH COMPLETE THEIR FUNCTION IN ONE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK. RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE REQUIRED CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH
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Revision: 2

Date: 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility:

Unit: 1 . 50-254 Docket:

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	THEY MUST BE QUALIFIED.
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Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Unit: 1 Docket No: 50-254

Elevation: 583'O" Above Flood Level: Yes: X No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING
Eddirment Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: GENERAL USE ELECTRICAL EQUIPMENT	Operating Time	CONTINUOUS	30 DAYS	NA	REF.	SIMULTANEOUS TEST	SEE NOTE
Plant I.D. Number: CABLE (SHIELDED) Component: EPR INSUL. EXTRUDED	Temperature (^F)	334	346	REF.	REF.	SIMULTANEOUS TEST	
SEMI. COND. CSPE Manufacturer: ANACONDA WIRE AND CABLE COMPANY	Pressure (PSIA)	63.0	127.7	REF.	REF.	SIMULTANEOUS TEST	
Model Number: UNIBLEND REP Purchase Order Number:	Relative Humidity (%)	100	100	REF.	REF.	SIMULTANEOUS TEST	
Function/Service: MEDIUM VOLTAGE POWER	Chemical Spray	DEMIN WATER	NA2 S2 03 9-11 PH	REF.	REF.	SIMULTANEOUS TEST	
	Radiation (Rad)	1.1 EO8	2.0 E08	REF.	REF.	SEQUENTIAL TEST	
Accuracy: Spec: NA Demo: NA Location: INSIDE OUTSIDE DRYWEL	Aging	150 F 1.35 EO7 RAD	168HR 150C 40 YR	REF.	REF.	SEQUENTIAL TEST	
Elevation: 583'0"	Submergence	NA	NA	NA	NA		
Flood Level	L	· · · · · · · · · · · · · · · · · · ·			<u> </u>	1	

DOCUMENTATION REFERENCES	NOTES
A. F-C4350-4 TEST OF ELECTRICAL AGING, GAMMA RADIATION, AND A LOSS-OF-COOLANT ACCIDENT SIMULATION. B. NSEO-52-0682, DRF NO. T23-00442- DRESDEN 2&3 AND QUAD CITIES 1&2 NUCLEAR POWER PLANTS DRYWELL TEMPERATURE ANALYSIS CHRON 05642.	1. QUALIFICATION OF THIS EQUIPMENT WILL BE COMPLETED BY ANALYSIS BEFORE THE END OF SEPTEMBER 1983. CONTINUED STATION OPERATION IS JUSTIFIED FOR THE FOLLOWING REASONS- A. ALL OF THE PLANT AREAS WHICH COULD EXPERIENCE HARSH PRESSURE, TEMPERATURE, AND HUMIDITY (THE STEAM TUNNEL, TORUS COMPARTMENT AND RWCU ROOMS) CONTAIN EQUIPMENT WHICH MUST FUNCTION IN 1 MINUTE

Component Sheet No. 344 Revision: 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON QUAD CITIES

Facility: Unit: Docket:

50-254

DOCUMENTATION REFERENCES (cont.)	
· ·	NOTES (cont.)
C. FSAR FIGURE 5.2.17 D. FSAR SECTION 6.2.4.2.2 E. BECHTEL RADIATION STUDY F. NEDO REPORT 24217. TABLE 4-3	OR LESS. ONCE EQUIPMENT FUNCTIONS ARE COMPLETED, THERE WOULD BE NO FURTHER ACTIVE FUNCTION REQUIRED. IN ALL CASES EXCEPT THE TORUS COMPARTMENT, THE ONLY SAFETY-RELATED CABLES ENTERING THE POTENTIALLY HARSH ENVIRONMENT ARE CABLES WHICH TERMINATE ON EQUIPMENT REQUIRED TO MITIGATE THE CONSEQUENCES OF THE POSTULATED BREAK AND WHICH COMPLETE THEIR FUNCTION IN INE MINUTE OR LESS. IN THE CASE OF THE TORUS COMPARTMENT, OTHER CABLING COULD BE IN THE VICINITY OF THE POSTULATED BREAK. HOWEVER, THIS CABLE IS NOT REQUIRED FOR THE MITIGATION OF THE HARSH ENVIRONMENT CREATED BY THE POSTULATED BREAK RADIATION IS NOT CONCURRENT WITH OTHER HARSH CONDITIONS. B. REALISTIC RELEASE MODELS WOULD RESULT IN RADIATION RELEASES WHICH OCCUR SEVERAL HOURS AFTER THE POSTULATED ACCIDENT. ACTUAL DOSES WOULD BE LESS THAN THOSE CALCULATED USING THE CONSERVATIVE ASSUMPTIONS. ADDITIONALLY, HARSH RADIATION IS NOT CONCURRENT WITH PRESSURE, TEMPERATURE, AND HUMIDITY. THEREFORE, ALTHOUGH SOME MATERIAL DEGRADATION MAY OCCUR DUE TO RADIATION, STRESS FACTORS ARE NOT PRESENT TO ACCELERATE DAMAGE. FINALLY, MOST OF THE MATERIALS UTILIZED FOR THIS CABLE ARE STILL BEING UTILIZED IN CABLE MANUFACTURING AND HAVE DEMONSTRATED THE ABILITY TO WITHSTAND THE RADIATION LEVELS FOR WHICH THEY MUST BE QUALIFIED.

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Docket No:

QUAD CITIES Unit:

Elevation: Above Flood Level: Yes:

No:

50-254

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
EGOTEMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CAM	Operating Time	CONTINUOUS	NOT REQD	NA	REF.		
Plant I.D. Number: PT-1-2421-A,B Component: PRESSURE TRANSMITTER	Temperature (°F)	104	NOT REQD.	REF.	REF.		
Manufacturer: BAILEY B&W	Pressure (PSIA)	14.7	NOT REQD.	REF.	REF.		
Model Number: KG556220BAA1WFE Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.	:	
187059 Function/Service: SEE ATTACHED SHEETS	Chemical Spray	NA	NA	NA	NA		
	Radiation (Rad)	2.52 EO5		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.		
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	NA *	NA		
Flood Level	<u>-</u> -		<u></u>		1	l	

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. A CONTRACT HAS BEEN ISSUED FOR SERVICES TO QUALIFY THIS EQUIPMENT BY ANALYSIS AND-OR TESTING. THE TEST REPORT WILL BE COMPLETED DURING THE SECOND QUARTER OF 1984. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED BECAUSE A. THESE COMPONENTS ARE DESIGNED AS REDUNDANT

Revision: 2

Date: 05-01-83

COMMONWEALTH EDISON QUAD CITIES Owner:

Facility: Unit:

Docket: 50-254

DOCUMENTATION REFERENCES (cont.)	NOTES (cont.)
	PAIRS, EACH SEPARATED FROM THE OTHER.
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Component Sheet No. 347 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level:

FOURMENT DESCRIPTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CAM	Operating Time	CONTINUOUS
Plant I.D. Number: PT-1-2421-A Component: PRESSURE TRANSMITTER	Temperature (°F)	104
Manufacturer: BAILEY B&W	Pressure (PSIA)	14.7
Model Number: KG556220BAA1WFE	Relative Humidity (%)	100
Purchase Order Number: 187059 Function/Service:	Chemical Spray	NA
MONITOR PRESSURE	Radiation (Rad)	1.65 EO5
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	NA
COLS M&15 Elevation 625′6"	Submergence	NÁ
Flood Level Elevation: NA Above Flood Level: Yes: No:	11	<u> </u>

FOUNDMENT DECORURTION		ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CAM	Operating Time	CONTINUOUS
Plant I.D. Number: PT-1-2421-B Component: PRESSURE TRANSMITTER	Temperature (°F)	104
Manufacturer: BAILEY B&W	Pressure (PSIA)	14.7
Model Number: KG556220BAA1WFE	Relative Humidity (%)	100
Purchase Order Number: 187059 Function/Service:	Chemical Spray	NA
MONITOR PRESSURE	Radiation (Rad)	2.52 EO5
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	NA
COLS M&16 Elevation 625' 6"	Submergence	NA
Flood Level	 	6-0858-03

G-0858-03

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

Elevation: Above Flood Level: Yes:

No:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATI	DOCUMENTATION REFERENCES		OUTSTANDING
Eddirment Description	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CAM	Operating Time	CONTINUOUS		NA			SEE NOTE
Plant I.D. Number: RE-1-2418-A,B,C,D Component: RADIATION DETECTOR	Temperature (°F)	. 180		REF.			SEE NOTE
Manufacturer: GENERAL ELECTRIC	Pressure (PS+A)	63.0		REF.			SEE NOTE
Model Number: ION CHAMBER 237X731GOO9 Purchase Order Number:	Relative Humidity (%)	100		REF.			SEE NOTE
187059 Function/Service: SEE ATTACHED SHEETS	Chemical , Spray	NA	NA	NA	NA		
	Radiation (Rad)	4.24 EO7		REF.			SEE NOTE
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging	NA	NOT REQD.	REF.	REF.	·	
Elevation: SEE ATTACHED SHEETS	Submergence	NA	NA	ŅΑ	NA NA		

DOCUMENTATION REFERENCES	NOTES
A. FSAR FIGURE 5.2.19 B. FSAR SECTION 5.2.3.1 C. BECHTEL RADIATION STUDY D. NEDO REPORT 24217, TABLE 4-3 E. THIS REPORT SECTION 4.3.6	1. ADDITIONAL VENDOR INFORMATION IS BEING SOUGHT TO RESOLVE OUTSTANDING ENVIRONMENTAL QUAL- IFICATION ITEMS. ALTHOUGH QUALIFICATION DATA IS NOT AVAILABLE, CONTINUED STATION OPERATION IS JUSTIFIED BECAUSE A. THESE COMPONENTS ARE DESIGNED AS REDUNDANT PAIRS, EACH SEPARATED FROM THE OTHER.

Component Sheet No. 349 Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit:

QUAD CITIES

Docket No: 50-254

SYSTEM COMPONENT EVALUATION WORKSHEET

Above Flood Level:

Yes:

No:

EQUIPMENT DESCRIPTION		ENVIRONMENT
ECOTAMENT DESCRIPTION	Parameter	Specification
System: CAM	Operating Time	@ CONTINUOUS
Plant I.D. Number: RE-1-2418-C Component: RADIATION DETECTOR	Temperature (°F)	180
Manufacturer: GENERAL ELECTRIC	Pressure (PS1A)	63.0
Model Number: ION CHAMBER 237X731GOO9 Purchase Order Number:	Relative Humidity (%)	100
187059 Function/Service:	Chemical Spray	NA .
MONITOR RADIATION	Radiation (Rad)	4.24 EO7
Accuracy: Spec: NA Demo: NA Location INSIDE TORUS NEAR	Aging	NA
AZ 115 Elevation 590' 0"	Submergence	NA
Flood Level Elevation: NA Above Flood Level: Yes: No:		

COLUDATINE DECORIE	1	ENVIRONMENT
EQUIPMENT DESCRIPTION	Parameter	Specification
System: CAM	Operating Time	CONTINUOUS
Plant I.D. Number: RE-1-2418-D Component: RADIATION DETECTOR	Temperature (°F)	180
Manufacturer: GENERAL ELECTRIC	Pressure (PSIA)	63.0
Model Number: ION CHAMBER 237X73 fGOO9 Purchase Order Number;	Relative Humidity (%)	100
187059 Function/Service:	Chemical Spray	NA
MONITOR RADIATION	Radiation (Rad)	4.20 EO7
Accuracy: Spec: NA Demo: NA Location	Aging	NA
AZ 245 Elevation 589' O"	Submergence	NA
Flood Level Elevation: NA		G-0858-03

Revision 2

Date 05-01-83

Owner: COMMONWEALTH EDISON

Facility: QUAD CITIES

SYSTEM COMPONENT EVALUATION WORKSHEET

Docket No: 50-254 EQUIPMENT DESCRIPTION System: CAM Plant I.D. Number: RE-1-2419-A,B Component: RADIATION DETECTOR Manufacturer: GENERAL ATOMIC Model Number: RD-23 ION CHAMBER Purchase Order Number: 241812 Function/Service: SEE ATTACHED SHEETS Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS Elevation: SEE ATTACHED SHEETS

Flood Level
Elevation:
Above Flood Level:
Yes: No

	ENVIRONMENT		ENVIRONMENT DOCUMENTATION REFERENCES		ON REFERENCES	QUALIFICATION	OUTSTANDING
	Parameter ·	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
	Operating Fime	CONTINUOUS	NOT REQD.	NA	REF.	SEE NOTE	
	Гетрегаture °F)	104	NOT REOD	REF.	REF.		
11	Pressure PSIA)	14.7	NOT REQD.	REF.	REF.		
	Relative Humidity (%)	100	NOT REQD.	REF.	REF.		
- 11	Chemical Spray	NA	NA	. NA	NA		
	Radiation (Rad)	6.9 EO6	1.0 E09	REF.	REF.		
4	Aging	NA .	NDT REQD.	REF.	REF.		
5	Submergence	NA .	NA	NA	NA		

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. GENERAL ATOMIC, TEST PERFORMANCE ELA-281-9034 E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	

Component Sheet No. 351
Revision 2
Date: 05-01-83

COMMONWEALTH EDISON

Facility: (

Owner:

System:

CAM

Plant I.D. Number:

RE-1-2419-A

Component:

Manufacturer:

Model Number:

ION- CHAMBER
Purchase Order Number:

Function/Service:

MONITOR RADIATION

IN R.B. AT X-46

Above Flood Level:

Yes:

Spec:

Demo:

- NA

NΑ

RD-23

241812

Accuracy:

Location

Elevation

618' 6"

Flood Level

Elevation: NA

QUAD CITIES

Unit: 1 Docket No: 50-254

EQUIPMENT DESCRIPTION

RADIATION DETECTOR

GENERAL ATOMIC

SYSTEM COMPONENT EVALUATION WORKSHEET

ENVIRONMENT

Specification

CONTINUOUS

104

14.7

100

NA

6.9 EO6

NΑ

NA

Parameter

Operating

Temperature

Time

(°F)

Pressure

Relative

Chemical

Radiation

Spray

(Rad)

Aging

Submergence

Humidity (%)

(PSIA)

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Above Flood Level:

No:

Yes: .

FOLUDATINE DECORIDE ON	E	ENVIRONMENT			
EQUIPMENT DESCRIPTION	Parameter	Specification			
System: CAM	Operating Time	CONTINUOUS			
Plant I.D. Number: RE-1-2419-B Component: RADIATION DETECTOR	Temperature (°F)	104			
Manufacturer: GENERAL ATOMIC	Pressure (PSIA)	14.7			
Model Number: RD-23 ION CHAMBER Purchase Order Number:	Relative Humidity (%)	100			
241812 Function/Service:	Chemical Spray	⁷ NA			
MONITOR RADIATION	Radiation (Rad)	6.9 E06			
Accuracy: Spec: NA Demo: NA Location	Aging	NA .			
Elevation 610' O"	Submergence	: NA			
Flood Level Elevation: NA		G-0858-03			

Revision 2

Date 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50-254

Above Flood Level: Yes: No:

EQUIPMENT DESCRIPTION	ENVIRONMENT		DOCUMENTATION REFERENCES		QUALIFICATION	OUTSTANDING	
ECOTPMENT DESCRIPTION	Parameter	Specification	Qualification	Spec.	Qual.	METHOD	ITEMS
System: CAM	Operating Time	CONTINUOUS	NOT REQD.	NA	REF.		
Plant I.D. Number: SO-1-2499-1A.B&2A.B Component: SOLENOID VALVE	Temperature (°F)	104	NOT REQD.	REF.	REF.		
Manufacturer:	Pressure (PSIA)	14.7	NOT REQD	REF.	REF.	**************************************	
Model Number: 1/2 SMS-S-1 Purchase Order Number:	Relative Humidity (%)	100	NOT REQD.	REF.	REF.	100	
194997 Function/Service: SEE ATTACHED SHEETS	Chemical : Spray	NA	NA NA	, NA	NA	50	1990
:	Radiation (Rad)	2.11 EO6	3.3 EO7	REF.	REF.	TYPE TEST	
Accuracy: Spec: Demo: Location: SEE ATTACHED SHEETS	Aging "	.NA	NOT REQD.	REF.	REF.	and the second s	
Elevation: SEE ATTACHED SHEETS	Submergence	NA 	NA	WA NA	NA :		4

DOCUMENTATION REFERENCES	NOTES
A. THIS REPORT SECTION 4.4 B. FSAR SECTION 10.10 C. BECHTEL RADIATION STUDY D. TARGET ROCK CORP. REPORT NO 1500 (10-22-74) E. NEDO REPORT 24217, TABLE 4-3 F. THIS REPORT SECTION 4.3.6	19-19-20 - 2-4 - 200 - 13-20 -
	G-0858-01

Revision 2

Date: 05-01-83

Owner: COMMONWEALTH EDISON QUAD CITIES

Facility: ' Unit:

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

Elevation: NA Above Flood Level:

No:

Yes:

EQUIPMENT DESCRIPTION		ENVIRONMENT		
EGOTFMENT DESCRIPTION	Parameter	Specification		
System: CAM	Operating Time	CONTINUOUS		
Plant I.D. Number: SD-1-2499-1A Component: SOLENGID VALVE	Temperature ((*F)	104		
Manufacturer: TARGET ROCK	∴Pressure (PSIA)	14.7		
Model Number: 1/2 SMS-S-1 Purchase Order Number:	Relative Humidity (%)	100		
194997 Function/Service:	Chemical Spray	, NA		
CALIBRATION H2 SENSOR	Radiation (Rad)	2.11 EO6		
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	· NA		
COLS L&14 Elevation 596'6"	Submergence	· NA		
Flood Level Elevation: NA Above Flood Level:		,		

EQUIPMENT DESCRIPTION	· ENVIRONMENT		
EGOTPMENT DESCRIPTION	Parameter	Specification	
System: CAM	Operating Time	CONTINUOUS	
Plant I.D. Number: SO-1-2499-1B Component: SOLENOID VALVE	Temperature	104	
Manufacturer: TARGET ROCK	Pressure (PSIA)	14.7	
Model Number: 1/2 SMS-S-1	Relative Humidity (%)	100	
Purchase Order Number: 194997 Function/Service:	Chemical Spray	NA	
CALIBRATION H2 SENSOR	Radiation (Rad)	7.07 E05	
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	NA .	
COLS M&16 Elevation 609' O"	Submergence	NA	

G-0858-03

Component Sheet No. 354
Revision 2

Date: 05-01-83

Owner:

COMMONWEALTH EDISON

Facility: Unit: QUAD CITIES

Docket No: 50-254

Yes:

No:

SYSTEM COMPONENT EVALUATION WORKSHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT		
EGOTEMENT DESCRIPTION	Parameter	Specification _	
System: CAM	Operating Time	CONTINUOUS	
Plant 1.D. Number: SO-1-2499-2A Component: SOLENOID VALVE	Temperature (°F)	104	
Manufacturer: TARGET ROCK	Pressure (PSIA)	14.7	
Model Number: 1/2 SMS-S-1	Relative Humidity (%)	100	
Purchase Order Number: 194997 Function/Service:	Chemical Spray	NA	
CALIBRATION H2 SENSOR	Radiation (Rad)	2.11 EO6	
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	NA	
COLS L&14 Elevation 596'6"	Submergence	NA	
Flood Level Elevation: NA Above Flood Level:	L		

EQUIPMENT DESCRIPTION	ENVIRONMENT		
ECOPMENT DESCRIPTION	Parameter	Specification	
System: CAM	Operating Time	CONTINUOUS	
Plant I.D. Number: SO-1-2499-2B Component: SOLENOID VALVE	Temperature (°F)	104	
Manufacturer: TARGET ROCK	Pressure (PSIA)	14.7	
Model Number: 1/2 SMS-S-1	Relative Humidity (%)	100	
Purchase Order Number: 194997 Function/Service:	Chemical Spray	NA	
CALIBRATION SENSOR	Radiation / (Rad)	7.07 E05	
Accuracy: Spec: NA Demo: NA Location IN R.B. NEAR	Aging	NA	
COLS M&16 Elevation 609' O"	Submergence	NA	
Flood Level	<u> </u>	G-0858-03	

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Elevation: NA Above Flood Level:

No:

Yes: