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FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 & 4
DOCKET: 50-250 AND 50-251

ENVIRONMENTAL QUALIFICATION OF CLASS IE COMPONENTS REQUIRED TO MITIGATE A POSTULATED ACCIDENT OR MONITOR A POST ACCIDENT CONDITION

RESPONSE TO IE BULLETIN 79-01B
PHASE I (45 DAY) RESPONSE

IE BULLETIN 79-01B RESPONSE

This response covers Action Items 1, 2 and 3 of USNRC's cover letter to IE Bulletin 79-01B, dated January 14, 1980. This document includes the following:

Section A: List of systems included.

Section B: Master list of components which are required to mitigate a postulated accident or monitor post accident conditions. Only the components in the accident environment are included.

Section C: Component evaluation worksheets which provide information on the environmental qualifications available for the components covered in Section B.

Sections B and C include discussions on the basis for the Master List and Component Evaluation worksheets, respectively.

All components listed and located outside the containment of Units 3 and 4 have been verified by field walkdown. The in-containment component evaluations are based on the information from existing records. A walkdown has recently been done inside Unit 4 containment. Any discrepancies between the evaluation and walkdown data will be resolved in Phase II response. Additional information collected regarding location of devices will also be incorporated in Phase II response. Walkdown of Unit 3 containment will be done at the next available outage to verify the component data on the evaluation sheets.

The work on the Phase I response was done based on Procedure 5177-124-E001. Quality assurance audits were performed periodically to comply with the procedure.

FLORIDA POWER AND LIGHT COMPANY
TURKEY POINT UNITS 3 & 4
DOCKET: 50-250 AND 50-251

RESPONSE TO IE BULLETIN 79-01B (PHASE I)

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SECTION A

LIST OF SYSTEMS INCLUDED IN THE MASTER LIST

SYSTEMS	P&ID DRAWING NUMBERS
1. Reactor Coolant	5610-T-E-4501, Sh. 1 of 1, Rev. 6
2. Chemical and Volume Control	5610-T-E-4505, Sh. 1 and 2, Rev. 5
3. Safety Injection and Residual Heat Removal	5610-T-E-4510, Sh. 1 of 2, Rev. 4 5610-T-E-4510, Sh. 2 of 2, Rev. 3
4. Component Cooling Water	5610-T-E-4512, Rev. 4
5. Main Steam	5610-T-E-4061, Sh. 1 of 3, Rev. 2
6. Extraction and Auxiliary Steam	5610-T-E-4061, Sh. 2 of 3, Rev. 3
7. Feedwater	5610-T-E-4062, Sh. 2 of 5, Rev. 3
8. Condensate and Feedwater Auxiliary	5610-T-E-4062, Sh. 3 of 5, Rev. 3
9. Containment Ventilation	5610-M11, Rev. 12
10. Miscellaneous - Replacement ASCO and NAMCO Devices	
11. Miscellaneous - Splice Materials	
12. Miscellaneous - Electrical Penetrations	
13. Miscellaneous - Cables	
14. Miscellaneous - Terminal Boxes	

SECTION B

MASTER LIST OF SYSTEM COMPONENTS REQUIRED TO FUNCTION FOR LOCA/HELB ACCIDENT

Section B 1 Discussion of the Master List
Section B 2 Master List of System Components

SECTION B 1

DISSCUSSION OF THE MASTER LIST

The Master List has been developed by reviewing the FSAR, technical specifications, emergency operating procedures and P&ID's of all the safety related systems in the plant.

Each P&ID is systematically reviewed taking into consideration which accidents the system is required to mitigate/monitor and if the system is exposed to the harsh environment created by the accident. If a component is used to mitigate/monitor an accident, but not exposed to the accident environment, it is not included in the Master List.

During a LOCA the harsh environmental parameters of high temperature and high pressure are limited to the containment. The evaluation for temperature and pressure inside containment is based on the LOCA environment which is more limiting than a steam line or feedwater line break. High temperature conditions were not considered outside the containment since the auxiliary building temperature due to post accident recirculation are not higher than those experienced during normal shutdown. The RHR System is placed in operation when the reactor coolant system is 350°F, whereas the sump liquid being recirculated post accident is approximately 250°F. On this basis, high temperature conditions were not considered for evaluation of the systems outside containment.

For LOCA conditions, the only environmental qualification considered for equipment outside containment is high radiation due to post accident recirculation. The radiation doses in the auxiliary building are based on TID sources, assuming 50% halogens and 1% solids in the fluid being recirculated. The sump fluid is considered diluted to the minimum point when recirculation can commence (249,000 gallons on the containment floor). Radiation doses due to shine through electrical containment penetrations and the main steam line penetrations is also considered in qualification of components.

In considering environmental consequences of high energy pipe breaks, most of the high energy systems at Turkey Point are located outdoors, thus minimizing the consequences of the breaks. According to Florida Power & Light's response

to the Giambusso letter (Reference 40.1) and the AEC's concurrence with the response (Reference 40.2), the only high energy pipe breaks postulated in the auxiliary building are in the chemical and volume control system.

The discharge line of the charging pumps to the containment penetraion is considered high energy (2500 psig, 130° F) and postulated to break. This break does not result in a harsh environment because its location will not cause local pressure increase due to compartmental effects. But the break does have flooding potential. However, as evaluated in response to the Giambusso letter, it was determined that the RHR room sump pumps can handle the break flow without flooding any equipment. Therefore, no componenets were included in the Master List for this break.

The letdown line from the containment penetration to the non-regenerative heat exchanger is high energy (300 psig, 390° F) and postulated to break. The maximum blowdown due to the break is approximately 165 GPm. The charging system is capable of making up this flow if all three pumps are operable since none of its active components required to mitigate the accident are in the break area. In case the charging system is not operable, the hi-head safety injection system could mitigate the accident since none of its active components required to mitigate the accident are in the break area. The letdown line could also be isolated inside containment by LCV-460 or solenoid valves 200 A, B & C. These valves are inside containment and not subject to the break environment, therefore, they are considered to be operable during the accident. On this basis, no components were included in the Master List for mitigation of this break.

Each system included in the Master List is listed below with a brief explanation of the logic used in selecting the componenets for evaluation. The systems are listed in the same order as Appendix A of I. E. Bulletin 79-01B.

ENGINEERED SAFEGUARDS ACTUATION

All devices required for engineered safeguards initiation that are subject to a harsh environment are included in the Master List. The processors of the signals (logic cabinets) are not included since they are located in the control room or cable spreading room and are not subject to the harsh environment.

REACTOR PROTECTION

Included for evaluation are the temperature elements (TE's) on the RCS RTD loop required for ΔT/Tavg protection signal, hot and cold leg TE's to the temperature recorder and the protection grade pressure transmitters on the pressurizer. The wide range pressure transmitters are also included for evaluation.

CONTAINMENT ISOLATION

Containment isolation valves located outside containment close shortly after the accident occurs and are not exposed to the containment atmosphere. Therefore, they are not listed. However, any isolation valve outside containment that is required to operate post LOCA is included. Containment isolation valves inside containment are listed. The blowdown isolation valves are also included since they are subject to a hot water spray due to a break in the main feedwater line.

STEAMLINE ISOLATION

The main steam line siolation and break protection system is included in the Master List for the effects of a steam line break. Since the valves are located outdoors, however, an environment of 212° F and 100% humidity is conservatively chosen for evaluation.

MAIN FEEDWATER ISOLATION

For a main feedwater line break, only the differential pressure switches for each feedwater isolation valve are considered exposed to the break environment. These valves are located outdoor and the environment is conservatively chosen as 212° F and 100% humidity.

EMERGENCY POWER

The Emergency Diesel Generators, 4 KV Switchgear, 480 Volt Load Centers, and DC systems are not included as they are not subjected to the harsh environment of the high energy line break.

The motor control centers (MCC's) for safety related equipment are located in the corridors of the auxiliary building. Reference 4 identified the maximum post accident radiation zone in the area of the MCC's as "A-2" (Max. 100 mR/HR.). MCC starter/breaker compartments typically have components made of metals,

phenolic and other plastic and epoxy materials. These have a radiation resistance much higher than the levels the MCC's are subjected to. Therefore, MCC's are not included in the Master List.

EMERGENCY CORE COOLING

The components of the ECCS are listed in the Master List for post accident recirculation radiation evaluation. Most of the major componenets such as pump motors, MOV's and flow transmitters are included with the following exceptions:

1. MOV-862 A & B - These are inlet valves in the RHR suction from RWST. These valves are only operated prior to the recirculation phase of the accident. After recirculation these valves are not operated, therefore no evaluation is required.

2. MOV-861 A & B - These are the outboard containment isolation valves in the sump recirculation lines. These valves are not exposed to the sump fluid until they are opened. After they are opened they are not required to operate again, therefore, they are not listed for evaluation.

3. TT-604 A & B and TT-606 - These are the temperature transmitters on the inlet and outlet of the RHR heat exchangers. They are not considered for evaluation since they are primarily for recording temperatures during normal shutdown and are not required for information to the operator during an accident.

4. PT-921, 923, 925, 927, 929, 931 and LT-920, 922, 924, 926, 928, 930 - These are accumulator pressure and level transmitters. These instruments are not included for evaluation since they primarily provide monitoring information during normal operation to assure technical specification requirements are maintained. After an accident they are not required since the accumulators will have served their accident mitgating function.

5. MOV-865 A, B & C - These are outlet valves of the accumulators. The breakers associated with these valves are locked open during normal plant operation as they are not required to operate post accident. Therefore, these valves are not included in the Master List.

CONTAINMENT HEAT REMOVAL & FISSION PRODUCT REMOVAL

The emergency containment cooler system is included for evaluation. This includes the fan motors, temperature elements, flow switches and the solenoid valves that provide dousing water from the containment spray system for the charcoal filters. The containment heat removal system also serves the function of the fission product removal utilizing the charcoal filters in series with the coolers.

CONTAINMENT CONBUSTIBLES GAS CONTROL

There are no electrical components in the combustible gas control system which see a harsh environment. Therefore no evaluation is required.

AUXILIARY FEEDWATER

The auxiliary feedwater system's most severe operating environment is due to a break in the steam supply line to the auxiliary feedwater pump turbines. Although this line is outdoors, the postulated break location is in close proximity to the MOV's (MOV-1410, 11 & 12) which must open to supply steam to the turbines and is also close to the auxiliary feedwater flow control valves. Therefore these valves are listed for evaluation in an environment of 212° F and 100% humidity.

CONTAINMENT VENTILATION

The containment purge valves inside containment are listed for evaluation to LOCA conditions. However, the valves outside containment are not included since they are not exposed to the containment post accident atmosphere.

CONTAINMENT RADIATION MONITORING

The solenoid valves in the system are included for evaluation since this system will operate post accident. Radiation detectors RD-11 RD-12, the containment atmosphere radiation monitors, are also included for evaluation since they are required for post accident radiation monitoring.

CONTROL ROOM HABITABILITY SYSTEMS & VENTILATION FOR AREAS CONTAINING SAFETY RELATED EQUIPMENT

This equipment is not subject to harsh environmental conditions and is not included for evaluation.

COMPONENT COOLING

There are no components associated with the componenet cooling water system inside containment that require evaluation other than those associated with the emergency containment coolers. These have already been identified on the Master List as requiring evaluation.

The following equipment, outside containment, will be evaluated for post accident operaation:

1. The containment isolation valves
2. Flow transmitters on the supply and return lines to the emergency containment coolers
3. The flow transmitters on the CCW heat exchanger outlet header
4. The pressure controller on the inlet header to the CCW heat exchanger
5. The CCW pump motors

Cooling water lines to and from the reactor coolant pump (RCP) thermal barrier coolers and oil coolers are not considered for evaluation (the containment isolation valves located outside containment close on containment isolation signal) since Turkey Point's FSAR does not require post accident operation of the RCPs. The MOVs on the discharge side of the RHR heat exchanger are not listed since these valves will be opened prior to post accident recirculation and will stay open through the safe shutdown mode.

INTAKE COOLING WATER (SERVICE WATER)

This system does not have any equipment which is subject to a post accident harsh environment.

EMERGENCY SHUTDOWN

The emergency shutdown systems listed in Bulletin 79-01B (Appendix A) were reviewed and included in the Master List in accordance with their operation as required in the Turkey Point FSAR.

POST ACCIDENT SAMPLING AND MONITORING

Turkey Point's FSAR does not require operation of the sampling system post LOCA. The following additional equipment is included for post accident monitoring purposes:

1. Pressure transmitters on the main steam line upstream of the main steam isolation valve.
2. Steam generator narrow range level transmitters.

RADIATION MONITORING

The Turkey Point radiation monitoring system, other than the containment monitors which were previously listed, is not safety related nor required for post accident monitoring.

SAFETY RELATED DISPLAY INFORMATION

All of the required post accident display instrumentation is located in the control room which is not subject to a harsh environment. Therefore, they are not included in the Master List.

CHEMICAL AND VOLUME CONTROL SYSTEM

It is required to adjust the chemistry of the containment sump water within 8 hours after an accident. Therefore, the following components of the CVCS are included for post accident radiation qualification:

1. Solenoid valves 310A and 310B (RCS charging valves) - To be evaluated for containment atmosphere.
2. HCV-121 - Charging Pumps Discharge Valve
3. FT-122 - Charging Pump Flow Transmitter
4. Charging Pump Motors
5. MOV-350 - Charging Pumps Suction Valve from Boric Acid Pump Discharge
6. FT-110 - Flow Transmitter in the Charging Pumps Suction from Boric Acid Pumps Discharge

7. Boric Acid Transfer Pump Motors
8. Boric Acid Batch Tank Agitator Motor
9. Boric Acid Batch Tank Level Switch (LC-101)
10. TIC-100 & TCV-100 - Boric Acid Batching Tank Temperature Controller and Steam Inlet Control Valve to Batching Tank

EQUIPMENT ADDED FOR TMI LESSONS LEARNED

Equipment added to comply with NUREG 0578, TMI Short Term Lessons Learned, is not included for evaluation in the Master List.

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MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: REACTOR COOLANT SYSTEM
See Dwg. 5610-T-E-4501, Sht. 1 of 1, Rev. 6

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
1-1	PT-3-403	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-2	PT-3-405	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-3	PT-3-406	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-4	PT-3-404	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-5	PT-4-403	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-6	PT-4-405	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-7	PT-4-406	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-8	PT-4-404	PRESSURE TRANSMITTER	X		Mi & Mo-L/HI,HO
1-9	PT-3-455	PRESSURE TRANSMITTER	X		Mi - L/HI,HO
1-10	PT-3-456	PRESSURE TRANSMITTER	X		Mi - L/HI,HO
1-11	PT-3-457	PRESSURE TRANSMITTER	X		Mi - L/HI,HO
1-12	PT-4-455	PRESSURE TRANSMITTER	X		Mi - L/HI,HO
1-13	PT-4-456	PRESSURE TRANSMITTER	X		Mi - L/HI,HO
1-14	PT-4-457	PRESSURE TRANSMITTER	X		Mi - L/HI,HO

MASTER LIST

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COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
1-15	LT-3-459	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-16	LT-3-460	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-17	LT-3-461	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-18	LT-4-459	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-19	LT-4-460	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-20	LT-4-461	LEVEL TRANSMITTER	X		Mi - L/HI,HO
1-21	TE-3-412-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-22	TE-3-412-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-23	TE-3-422-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-24	TE-3-422-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-25	TE-3-432-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-26	TE-3-432-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-27	TE-4-412-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-28	TE-4-412-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

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DOCKET NO:
UNIT 3 - 50-250
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See Dwg. 5610-T-E-4501, Sht. 1 of 1, Rev. 6

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COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
1-29	TE-4-422-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-30	TE-4-422-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-31	TE-4-432-B	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-32	TE-4-432-D	RESISTANCE TEMPERATURE DETECTOR	X		Mi - L/HI,HO
1-33	MOV-3-535	VALVE MOTOR OPERATOR	X		Mi - L/HI,HO
1-34	MOV-3-536	VALVE MOTOR OPERATOR	X		Mi - L/HI,HO
1-35	MOV-4-535	VALVE MOTOR OPERATOR	X		Mi - L/HI,HO
1-36	MOV-4-536	VALVE MOTOR OPERATOR	X		Mi - L/HI,HO
1-37	TE-3-410	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-38	TE-3-413	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-39	TE-3-420	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-40	TE-3-423	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-41	TE-3-430	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-42	TE-3-433	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO

MASTER LIST

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See Dwg. 5610-T-E-4501, Sht. 1 of 1, Rev. 6

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COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
1-43	TE-4-410	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-44	TE-4-413	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-45	TE-4-420	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-46	TE-4-423	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-47	TE-4-430	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
1-48	TE-4-433	RESISTANCE TEMPERATURE DETECTOR	X		Mo - L/HI,HO
		NOTE:			
		FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES AND SPLICES SEE RESPECTIVE			
		TITLED SECTIONS OF MASTER LIST.			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
See Dwg. 5610-T-E-4504, Shts. 1 and 2, Rev. 5

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
2-1	SV-3-310A	SOLENOID VALVE	X		Mi-L/HI,HO
2-2	----	LIMIT SWITCHES ASSOC. WITH CV-3-310A	X		Mo-L/HI,HO
2-3	SV-3-310B	SOLENOID VALVE	X		Mi-L/HI,HO
2-4	----	LIMIT SWITCHES ASSOC. WITH CV-3-310B	X		Mo-L/HI,HO
2-5	SV-4-310A	SOLENOID VALVE	X		Mi-L/HI,HO
2-6	----	LIMIT SWITCHES ASSOC. WITH CV-4-310A	X		Mo-L/HI,HO
2-7	SV-4-310B	SOLENOID VALVE	X		Mi-L/HI,HO
2-8	----	LIMIT SWITCHES ASSOC. WITH CV-4-310B	X		Mo-L/HI,HO
2-9	SV-3-200A	SOLENOID VALVE	X		Mi-L/HI
2-10	----	LIMIT SWITCHES ASSOC. WITH CV-3-200A	X		Mo-L/HI
2-11	SV-3-200B	SOLENOID VALVE	X		Mi-L/HI
2-12	----	LIMIT SWITCHES ASSOC. WITH CV-3-200B	X		Mo-L/HI
2-13	SV-3-200C	SOLENOID VALVE	X		Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
See Dwg. 5610-T-E-4505, Shts, 1 and 2, Rev. 5

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
			COMPONENT LOCATION		
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
2-14	----	LIMIT SWITCHES ASSOC. WITH CV-3-200C	X		Mo-L/HI
2-15	SV-4-200A	SOLENOID VALVE	X		Mi-L/HI
2-16	----	LIMIT SWITCHES ASSOC. WITH CV-4-200A	X		Mo-L/HI
2-17	SV-4-200B	SOLENOID VALVE	X		Mi-L/HI
2-18	----	LIMIT SWITCHES ASSOC. WITH CV-4-200B	X		Mo-L/HI
2-19	SV-4-200C	SOLENOID VALVE	X		Mi-L/HI
2-20	----	LIMIT SWITCHES ASSOC. WITH CV-4-200C	X		Mo-L/HI
2-21	----	ELECTRO-PNEUMATIC TRANSDUCER WITH HCV-3-121		X	Mi-L
2-22	----	LIMIT SWITCHES ASSOC. WITH HCV-3-121		X	Mo-L
2-23	----	ELECTRO-PNEUMATIC TRANSDUCER WITH HCV-4-121		X	Mi-L
2-24	----	LIMIT SWITCHES ASSOC. WITH HCV-4-121		X	Mo-L
2-25	SV-100	SOLENOID VALVE ASSOC. WITH TCV-100		X	Mi-L
2-26	TIC-100	TEMPERATURE INDICATING CONTROLLER		X	Mi-L
2-27	LC-101	LEVEL CONTROLLER		X	Mi-L

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
See Dwg. 5610-T-E-4505, Shts. 1 and 2, Rev. 5

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
2-28	FT-3-110	FLOW TRANSMITTER		X	Mo-L
2-29	FT-4-110	FLOW TRANSMITTER		X	Mo-L
2-30	3-P201A	CHARGING PUMP		X	Mi-L
2-31	3-N201A	LOCAL CONTROL STATION		X	Mi-L
2-32	PS-3-201A	OIL PRESSURE SWITCH		X	Mi-L
2-33	3-P201B	CHARGING PUMP		X	Mi-L
2-34	3-N201B	LOCAL CONTROL STATION		X	Mi-L
2-35	PS-3-201B	OIL PRESSURE SWITCH		X	Mi-L
2-36	3-P201C	CHARGING PUMP		X	Mi-L
2-37	3-N201C	LOCAL CONTROL STATION		X	Mi-L
2-38	PS-3-201C	OIL PRESSURE SWITCH		X	Mi-L
2-39	4-P201A	CHARGING PUMP		X	Mi-L
2-40	4-N201A	LOCAL CONTROL STATION		X	Mi-L
2-41	PS-4-201A	OIL PRESSURE SWITCH		X	Mi-L

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
See Dwg. 5610-T-E-4504, Shts, 1 and 2, Rev. 5

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
2-42	4-P201B	CHARGING PUMP		X	Mi-L
2-43	4-N201B	LOCAL CONTROL STATION		X	Mi-L
2-44	PS-4-201B	OIL PRESSURE SWITCH		X	Mi-L
2-45	4-P201C	CHARGING PUMP		X	Mi-L
2-46	4-N201C	LOCAL CONTROL STATION		X	Mi-L
2-47	PS-4-201C	OIL PRESSURE SWITCH		X	Mi-L
2-48	3-P203A	BORIC ACID TRANSFER PUMP		X	Mi-L
2-49	3-N203A	LOCAL CONTROL STATION		X	Mi-L
2-50	3-P203B	BORIC ACID TRANSFER PUMP		X	Mi-L
2-51	3-N203B	LOCAL CONTROL STATION		X	Mi-L
2-52	4-P203A	BORIC ACID TRANSFER PUMP		X	Mi-L
2-53	4-N203A	LOCAL CONTROL STATION		X	Mi-L
2-54	4-P203B	BORIC ACID TRANSFER PUMP		X	Mi-L
2-55	4-N203B	LOCAL CONTROL STATION		X	Mi-L

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
See Dwg. 5610-T-E-4505, Shts. 1 and 2, Rev. 5

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
2-56	T206	BORIC ACID TANK MIXER		X	Mi-L
2-57	N206	LOCAL CONTROL STATION		X	Mi-L
2-58	MOV-3-350	VALVE MOTOR OPERATOR		X	Mi-L
2-59	MOV-4-350	VALVE MOTOR OPERATOR		X	Mi-L
2-60	FT-3-122	FLOW TRANSMITTER		X	Mo-L
2-61	FT-4-122	FLOW TRANSMITTER		X	Mo-L
		NOTE:			
		FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES AND SPLICES, SEE			
		RESPECTIVE TITLED SECTIONS OF MASTER LIST.			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht.1 of 2, Rev.4 Sht.2 of 2, Rev.3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
3-1	PT-3-940	PRESSURE TRANSMITTER		X	Mo - L/HI
3-2	PT-4-940	PRESSURE TRANSMITTER		X	Mo - L/HI
3-3	PT-3-943	PRESSURE TRANSMITTER		X	Mo - L/HI
3-4	PT-4-943	PRESSURE TRANSMITTER		X	Mo - L/HI
3-5	FT-3-940	FLOW TRANSMITTER		X	Mo - L/HI
3-6	FT-3-943	FLOW TRANSMITTER		X	Mo - L/HI
3-7	FT-4-940	FLOW TRANSMITTER		X	Mo - L/HI
3-8	FT-4-943	FLOW TRANSMITTER		X	Mo - L/HI
3-9	FT-3-932	FLOW TRANSMITTER	X		Mo - L/HI
3-10	FT-3-933	FLOW TRANSMITTER	X		Mo - L/HI
3-11	FT-4-932	FLOW TRANSMITTER	X		Mo - L/HI
3-12	FT-4-933	FLOW TRANSMITTER	X		Mo - L/HI
3-13	FT-3-605	FLOW TRANSMITTER		X	Mo - L/HI
3-14	FT-4-605	FLOW TRANSMITTER		X	Mo - L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)
DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 5 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
3-15	P-4-214A	CONTAINMENT SPRAY PUMP		X	Mi - L/HI
3-16	P-4-214B	CONTAINMENT SPRAY PUMP		X	Mi - L/HI
3-17	P-3-210A	RESIDUAL HEAT REMOVAL PUMP		X	Mi - L/HI
3-18	P-3-210B	RESIDUAL HEAT REMOVAL PUMP		X	Mi - L/HI
3-19	P-4-210A	RESIDUAL HEAT REMOVAL PUMP		X	Mi - L/HI
3-20	P-4-210B	RESIDUAL HEAT REMOVAL PUMP		X	Mi - L/HI
3-21	MOV-3-744A	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-22	MOV-4-744A	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-23	MOV-3-744B	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-24	MOV-4-744B	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-25	MOV-3-750	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-26	MOV-4-750	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-27	MOV-3-751	VALVE MOTOR OPERATOR	X		Mi - L/HI
3-28	MOV-4-751	VALVE MOTOR OPERATOR	X		Mi - L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 4 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
3-29	MOV-3-843A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-30	MOV-3-843B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-31	MOV-4-843A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-32	MOV-4-843B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-33	3P215A	SAFETY INJECTION PUMP		X	Mi-L/HI
3-34	3P215B	SAFETY INJECTION PUMP		X	Mi-L/HI
3-35	4P215A	SAFETY INJECTION PUMP		X	Mi-L/HI
3-36	4P215B	SAFETY INJECTION PUMP		X	Mi-L-HI
3-37	P-3-214A	CONTAINMENT SPRAY PUMP		X	Mi-L/HI
3-38	P-3-214B	CONTAINMENT SPRAY PUMP		X	Mi-L/HI
3-39	MOV-3-860A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-40	MOV-3-860B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-41	MOV-4-860A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-42	MOV-4-860B	VALVE MOTOR OPERATOR		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 4 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
3-43	MOV-3-863A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-44	MOV-3-863B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-45	MOV-4-863A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-46	MOV-4-863B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-47	MOV-3-866A	VALVE MOTOR OPERATOR	X		Mi-L/HI
3-48	MOV-3-866B	VALVE MOTOR OPERATOR	X		Mi-L/HI
3-49	MOV-4-866A	VALVE MOTOR OPERATOR	X		Mi-L/HI
3-50	MOV-4-866B	VALVE MOTOR OPERATOR	X		Mi-L/HI
3-51	MOV-3-867A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-52	MOV-3-867B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-53	MOV-4-867A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-54	MOV-4-867B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-55	MOV-878A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-56	MOV-878B	VALVE MOTOR OPERATOR		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 4 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
3-57	MOV-3-880A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-58	MOV-3-880B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-59	MOV-4-880A	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-60	MOV-4-880B	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-61	MOV-3-869	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-62	MOV-4-869	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-63	MOV-3-872	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-64	MOV-4-872	VALVE MOTOR OPERATOR		X	Mi-L/HI
3-65	PC-3-600	PRESSURE CONTROLLER		X	Mi-L/HI
3-66	PC-3-601	PRESSURE CONTROLLER		X	Mi-L/HI
3-67	PC-4-600	PRESSURE CONTROLLER		X	Mi-L/HI
3-68	PC-4-601	PRESSURE CONTROLLER		X	Mi-L/HI
3-69	PC-957A	PRESSURE CONTROLLER		X	Mi-L/HI
3-70	PC-957B	PRESSURE CONTROLLER		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 4 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
3-71	PC-957C	PRESSURE CONTROLLER		X	Mi-L/HI
3-72	PC-957D	PRESSURE CONTROLLER		X	Mi-L/HI
3-73	LS-3-1570	LEVEL SWITCH	X		Mi-L/HI
3-74	LS-3-1571	LEVEL SWITCH	X		Mi-L/HI
3-75	LS-4-1570	LEVEL SWITCH	X		Mi-L/HI
3-76	LS-4-1571	LEVEL SWITCH	X		Mi-L/HI
3-77	3N215A	LOCAL CONTROL STATION		X	Mi-L/HI
3-78	3N215B	LOCAL CONTROL STATION		X	Mi-L/HI
3-79	4N215A	LOCAL CONTROL STATION		X	Mi-L/HI
3-80	4N215B	LOCAL CONTROL STATION		X	Mi-L/HI
3-81	3N214A	LOCAL CONTROL STATION		X	Mi-L/HI
3-82	3N214B	LOCAL CONTROL STATION		X	Mi-L/HI
3-83	4N214A	LOCAL CONTROL STATION		X	Mi-L/HI
3-84	4N214B	LOCAL CONTROL STATION		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL
See Dwg. 5610-T-E-4510, Sht. 1 of 2, Rev. 4 and Sht. 2 of 2, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
3-85	3N210A	LOCAL CONTROL STATION		X	Mi-L/HI, HO
3-86	3N210B	LOCAL CONTROL STATION		X	Mi-L/HI, HO
3-87	4N210A	LOCAL CONTROL STATION		X	Mi-L/HI, HO
3-88	4N210B	LOCAL CONTROL STATION		X	Mi-L/HI, HO

NOTE:

FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES AND SPLICES SEE RESPECTIVE TITLED SECTIONS OF MASTER LIST.

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: COMPONENT COOLING WATER
See Dwg. 5610-T-E-4512

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
			COMPONENT LOCATION		
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
4-1	SV-3-2920	SOLENOID VALVE ASSOC. WITH CV-3-2903		X	Mi-L/HI
4-2	SV-3-2921	SOLENOID VALVE ASSOC. WITH CV-3-2904		X	Mi-L/HI
4-3	SV-3-2922	SOLENOID VALVE ASSOC. WITH CV-3-2905		X	Mi-L/HI
4-4	SV-4-2920	SOLENOID VALVE ASSOC. WITH CV-4-2903		X	Mi-L/HI
4-5	SV-4-2921	SOLENOID VALVE ASSOC. WITH CV-4-2904		X	Mi-L/HI
4-6	SV-4-2922	SOLENOID VALVE ASSOC. WITH CV-4-2905		X	Mi-L/HI
4-7	SV-3-2923	SOLENOID VALVE ASSOC. WITH CV-3-2906		X	Mi-L/HI
4-8	SV-3-2924	SOLENOID VALVE ASSOC. WITH CV-3-2907		X	Mi-L/HI
4-9	SV-3-2925	SOLENOID VALVE ASSOC. WITH CV-3-2908		X	Mi-L/HI
4-10	SV-4-2923	SOLENOID VALVE ASSOC. WITH CV-4-2906		X	Mi-L/HI
4-11	SV-4-2924	SOLENOID VALVE ASSOC. WITH CV-4-2907		X	Mi-L/HI
4-12	SV-4-2925	SOLENOID VALVE ASSOC. WITH CV-4-2908		X	Mi-L/HI
4-13	SV-3-2810	SOLENOID VALVE ASSOC. WITH CV-3-2810		X	Mi-L/HI
4-14	---	LIMIT SWITCHES ASSOC. WITH CV-3-2810		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: COMPONENT COOLING WATER
See Dwg. 5610-T-E-4512

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
4-15	SV-3-2812	SOLENOID VALVE ASSOC. WITH CV-3-2812		X	Mi-L/HI
4-16	---	LIMIT SWITCHES ASSOC. WITH CV-3-2812		X	Mo-L/HI
4-17	SV-3-2814	SOLENOID VALVE ASSOC. WITH CV-3-2814		X	Mi-L/HI
4-18	---	LIMIT SWITCHES ASSOC. WITH CV-3-2814		X	Mo-L/HI
4-19	SV-4-2810	SOLENOID VALVE ASSOC. WITH CV-4-2810		X	Mi-L/HI
4-20	---	LIMIT SWITCHES ASSOC. WITH CV-4-2810		X	Mo-L/HI
4-21	SV-4-2812	SOLENOID VALVE ASSOC. WITH CV-4-2812		X	Mi-L/HI
4-22	---	LIMIT SWITCHES ASSOC. WITH CV-4-2812		X	Mo-L/HI
4-23	SV-4-2814	SOLENOID VALVE ASSOC. WITH CV-4-2814		X	Mi-L/HI
4-24	---	LIMIT SWITCHES ASSOC. WITH CV-4-2814		X	Mo-L/HI
4-25	3P211A	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-26	3P211B	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-27	3P211C	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-28	3N211A	LOCAL CONTROL STATION		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: COMPONENT COOLING WATER
See Dwg. 5610-T-E-4512

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
			COMPONENT LOCATION		
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
4-29	3N211B	LOCAL CONTROL STATION		X	Mi-L/HI
4-30	3N211C	LOCAL CONTROL STATION		X	Mi-L/HI
4-31	4P211A	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-32	4P211B	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-33	4P211C	COMPONENT COOLING WATER PUMP		X	Mi-L/HI
4-34	4N211A	LOCAL CONTROL STATION		X	Mi-L/HI
4-35	4N211B	LOCAL CONTROL STATION		X	Mi-L/HI
4-36	4N211C	LOCAL CONTROL STATION		X	Mi-L/HI
4-37	FT-3-613A	FLOW TRANSMITTER		X	Mi-L/HI
4-38	FT-4-613A	FLOW TRANSMITTER		X	Mi-L/HI
4-39	FT-3-613B	FLOW TRANSMITTER		X	Mi-L/HI
4-40	FT-4-613B	FLOW TRANSMITTER		X 1	Mi-L/HI
4-41	PC-3-611	PRESSURE CONTROLLER		X	Mi-L/HI
4-42	PC-4-611	PRESSURE CONTROLLER		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: COMPONENT COOLING WATER
See Dwg. 5610-T-E-4512

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
	NOTE:				
	FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES AND SPLICES, SEE RESPECTIVE TITLED SECTIONS OF MASTER LIST.				

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MAIN STEAM
See Dwg. 5610-T-E-4061, Sh. 1 of 3, Rev. 2

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
Section 5					
5-1	PT-3-474	Pressure Transmitter		X	Mi HI,HO Mo L/HI, HO
5-2	PT-3-475	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-3	PT-3-476	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-4	PT-3-484	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-5	PT-3-485	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-6	PT-3-486	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-7	PT-3-494	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-8	PT-3-495	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-9	PT-3-496	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-10	PT-4-474	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-11	PT-4-475	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-12	PT-4-476	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-13	PT-4-484	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-14	PT-4-485	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MAIN STEAM
See Dwg. 5610-T-E-4061, Sh. 1 of 3, Rev. 2

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
5-15	PT-4-486	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-16	PT-4-494	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-17	PT-4-495	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-18	PT-4-496	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-19	PT-3-464	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-20	PT-3-466	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-21	PT-3-468	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-22	PT-4-464	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-23	PT-4-466	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-24	PT-4-468	Pressure Transmitter		X	Mi HI, HO Mo L/HI, HO
5-25	FT-3-475	Flow Transmitter	X		Mi-HI, HO
5-26	FT-3-484	Flow Transmitter	X		Mi-HI, HO
5-27	FT-3-485	Flow Transmitter	X		Mi-HI, HO
5-28	FT-3-494	Flow Transmitter	X		Mi-HI, HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MAIN STEAM
See Dwg. 5610-T-E-4061, Sh. 1 of 3, Rev. 2

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
5-29	FT-3-495	Flow Transmitter	X		Mi-HI, HO
5-30	FT-3-474	Flow Transmitter	X		Mi-HI, HO
5-31	FT-4-474	Flow Transmitter	X		Mi-HI, HO
5-32	FT-4-475	Flow Transmitter	X		Mi-HI, HO
5-33	FT-4-484	Flow Transmitter	X		Mi-HI, HO
5-34	FT-4-485	Flow Transmitter	X		Mi-HI, HO
5-35	FT-4-494	Flow Transmitter	X		Mi-HI, HO
5-36	FT-4-495	Flow Transmitter	X		Mi-HI, HO
5-37	SV-3-2604	Solenoid Valve Assoc. with POV-3-2604		X	Mi-HI, HO
5-38	SV-3-2605	Solenoid Valve Assoc. with POV-3-2604		X	Mi-HI, HO
5-39	---------	Limit Sw. Assoc W/POV-3-2604		X	Mo-L/HI,HO
5-40	SV-3-2609	Solenoid Valve Assoc. W/POV-3-2605		X	Mi-L/HI, HO
5-41	SV-3-2610	Solenoid Valve Assoc. W/POV-3-2605		X	Mi-L/HI, HO
5-42	---	Lim Sw. Assoc. W/POV -3-2605		X	Mo-L/HI, HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MAIN STEAM
See Dwg. 5610-T-E-4061, Sh. 1 of 3, Rev. 2

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
5-43	SV-3-2614	Solenoid Valve Assoc. w/POV-3-2606		X	Mi-L/HI, HO
5-44	SV-3-2615	Solenoid Valve Assoc. w/POV-3-2606		X	Mi-L/HI, HO
5-45	---	Limit Switch Assoc. w/POV-3-2606		X	Mo-L/HI, HO
5-46	SV-4-2604	Solenoid Valve Assoc. W/POV-4-2604		X	Mi-L/HI, HO
5-47	SV-4-2605	Solenoid Valve Assoc w/POV-4-2604		X	Mi-L/HI, HO
5-48	---	Limit Switch Assoc. w/POV-4-2604		X	Mo-L/HI, HO
5-49	SV-4-2609	Solenoid Valve Assoc. w/POV-4-2605		X	Mi-L/HI, HO
5-50	SV-4-2610	Solenoid Valve Assoc w/POV-4-2605		X	Mi-L/HI, HO
5-51	----	Limit Switch Assoc. w/POV-4-2605		X	Mo-L/HI, HO
5-52	SV-4-2614	Solenoid Valve Assoc. w/POV-4-2606		X	Mi-L/HI, HO
5-53	SV-4-2615	Solenoid Valve Assoc. w/POV-4-2606		X	Mi-L/HI, HO
5-54	---	Limit Switch Assoc. w/POV-4-2606		X	Mo-L/HI, HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MAIN STEAM
See Dwg. 5610-T-E-4061

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	

NOTE:

FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES, AND SPLICES SEE RESPECTIVE TITLES SECTIONS OF MASTER LIST.

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: EXTRACTION & AUXILIARY STEAM
See Dwg. 5610-T-E-4061, Sh. 2 of 3, Rev. 3

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
6-1	MOV-3-1403	Valve Motor Operator		X	Mi-L/HI,HO
6-2	MOV-3-1404	Valve Motor Operator		X	Mi-L/HI,HO
6-3	MOV-3-1405	Valve Motor Operator		X	Mi-L/HI,HO
6-4	MOV-4-1403	Valve Motor Operator		X	Mi-L/HI,HO
6-5	MOV-4-1404	Valve Motor Operator		X	Mi-L/HI,HO
6-6	MOV-4-1405	Valve Motor Operator		X	Mi-L/HI,HO

NOTE:
For Associated Cables, Penetrations, Terminal Boxes and Splices, See Respective Titled Sections of Master List.

MASTER LIST

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: FEEDWATER
See Dwg. 5610-T-E-4062, Sh. 2 of 5, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
7-1	LT-3-474	Level Transmitter	X		Mi & Mo-L/HI,HO
7-2	LT-3-475	Level Transmitter	X		Mi & Mo-L/HI,HO
7-3	LT-3-476	Level Transmitter	X		Mi & Mo-L/HI,HO
7-4	LT-3-484	Level Transmitter	X		Mi & Mo-L/HI,HO
7-5	LT-3-485	Level Transmitter	X		Mi & Mo-L/HI,HO
7-6	LT-3-486	Level Transmitter	X		Mi & Mo-L/HI,HO
7-7	LT-3-494	Level Transmitter	X		Mi & Mo-L/HI,HO
7-8	LT-3-495	Level Transmitter	X		Mi & Mo-L/HI,HO
7-9	LT-3-496	Level Transmitter	X		Mi & Mo-L/HI,HO
7-10	LT-4-474	Level Transmitter	X		Mi & Mo-L/HI,HO
7-11	LT-4-475	Leval Transmitter	X		Mi & Mo-L/HI,HO
7-12	LT-4-476	Level Transmitter	X		Mi & Mo-L/HI,HO
7-13	LT-4-484	Level Transmitter	X		Mi & Mo-L/HI,HO
7-14	LT-4-485	Level Transmitter	X		Mi & Mo-L/HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: FEEDWATER
See Dwg. 5610-T-E-4062, Sh. 2 of 5, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
7-15	LT-4-486	Level Transmitter	X		Mi & Mo-L/HI,HO
7-16	LT-4-494	Level Transmitter	X		Mi & Mo-L/HI,HO
7-17	LT-4-495	Level Transmitter	X		Mi & Mo-L/HI,HO
7-18	LT-4-496	Level Transmitter	X		Mi & Mo-L/HI,HO
7-19	SV-3-2900	Solenoid Valve Associated with CV-3-2900		X	Mi-L/HI,HO
7-20	SV-3-2902	Solenoid Valve Associated with CV-3-2901		X	Mi-L/HI,HO
7-21	SV-3-2904	Solenoid Valve Associated with CV-3-2902		X	Mi-L/HI,HO
7-22	SV-4-2900	Solenoid Valve Associated with CV-4-2900		X	Mi-L/HI,HO
7-23	SV-4-2902	Solenoid Valve Associated with CV-4-2901		X	Mi-L/HI,HO
7-24	SV-4-2904	Solenoid Valve Associated with CV-4-2902		X	Mi-L/HI,HO
7-25	DPS-3-2900	Differential Pressure Switch		X	Mi-L/HI,HO
7-26	DPS-3-2901	Differential Pressure Switch		X	Mi-L/HI,HO
7-27	DPS-3-2902	Differential Pressure Switch		X	Mi-L/HI,HO
7-28	DPS-4-2900	Differential Pressure Switch		X	Mi-L/HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: FEEDWATER
See Dwg. 5610-T-E-4062, Sh. 2 of 5, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
7-29	DPS-4-2901	Differential Pressure Switch		X	Mi-L/HI,HO
7-30	DPS-4-2902	Differential Pressure Switch		X	Mi-L/HI,HO
		NOTE: For Associated Cables, Penetrations, Terminal Boxes and Splices, See Respective Titled Sections of Master List.			

MASTER LIST

(Class IE Electrical Equipment. Required to Function Under Postulated Accident Conditions)

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONDENSATE AND FEEDWATER. AUXILIARY
See Dwg. 5610-T-E-4062, Sh. 3 of 5, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
			COMPONENT LOCATION		
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
8-1	MOV-3-1410	Valve Motor Operator		X	Mi-L/HI
8-2	3N1410	Local Control Station		X	Mi-L/HI
8-3	MOV-3-1411	Valve Motor Operator		X	Mi-L/HI
8-4	3N1411	Local Control Station		X	Mi-L/HI
8-5	MOV-3-1412	Valve Motor Operator		X	Mi-L/HI
8-6	3N1412	Local Control Station		X	Mi-L/HI
8-7	MOV-4-1410	Valve Motor Operator		X	Mi-L/HI
8-8	4N1410	Local Control Station		X	Mi-L/HI
8-9	MOV-4-1411	Valve Motor Operator		X	Mi-L/HI
8-10	4N1411	Local Control Station		X	Mi-L/HI
8-11	MOV-4-1412	Valve Motor Operator		X	Mi-L/HI
8-12	4N1412	Local Control Station		X	Mi-L/HI
8-13	SV-3-2914	Solenoid Valve - Assoc. W/CV-3-2816 & CV-3-2831		X	Mi-L/HI,HO
8-14	SV-3-2915	Solenoid Valve - Assoc. W/CV-3-2816 & CV-3-2831		X	Mi-L-HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONDENSATE AND FEEDWATER AUXILIARY
See Dwg. 5610-T-E-4062, Sh. 3 of 5, Rev. 3

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
8-15	SV-3-2916	Solenoid Valve - Assoc. W/CV-3-2817 & CV-3-2832		X	Mi-L/HI,HO
8-16	SV-3-2917	Solenoid Valve - Assoc. W/CV-3-2817 & CV-3-2832		X	Mi-L/HI,HO
8-17	SV-3-2918	Solenoid Valve - Assoc. W/CV-3-2818 & CV-3-2833		X	Mi-L/HI,HO
8-18	SV-3-2919	Solenoid Valve - Assoc. W/CV-3-2818 & CV-3-2833		X	Mi-L/HI,HO
8-19	SV-4-2914	Solenoid Valve - Assoc. W/CV-4-2816 & CV-4-2831		X	Mi-L/HI,HO
8-20	SV-4-2915	Solenoid Valve - Assoc. W/CV-4-2816 & CV-4-2831		X	Mi-L/HI,HO
8-21	SV-4-2916	Solenoid Valve - Assoc. W/CV-4-2817 & CV-4-2832		X	Mi-L/HI,HO
8-22	SV-4-2917	Solenoid Valve - Assoc. W/CV-4-2817 & CV-4-2832		X	Mi-L/HI,HO
8-23	SV-4-2918	Solenoid Valve - Assoc. W/CV-4-2818 & CV-4-2833		X	Mi-L/HI,HO
8-24	SV-4-2919	Solenoid Valve - Assoc. W/CV-4-2818 & CV-4-2833		X	Mi-L/HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: CONDENSATE AND FEEDWATER AUXILIARY
See Dwg. 5610-T-E-4062, Sh. 3 of 5, Rev. 3

FUNCTION LEGEND

L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
		NOTE: FOR ASSOCIATED CABLES, PENETRATIONS, TERMINAL BOXES AND SPLICES, SEE RESPECTIVE TITLED SECTIONS OF MASTER LIST.			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
Section 9					
9-1	TE-3-3440	Thermocouple	X		Mi & Mo-L/HI
9-2	TE-3-3441	Thermocouple	X		Mi & Mo-L/HI
9-3	TE-3-3442	Thermocouple	X		Mi & Mo-L/HI
9-4	TE-3-3443	Thermocouple	X		Mi & Mo-L/HI
9-5	TE-3-3444	Thermocouple	X		Mi & Mo-L/HI
9-6	TE-3-3445	Thermocouple	X		Mi & Mo-L/HI
9-7	TE-3-3446	Thermocouple	X		Mi & Mo-L/HI
9-8	TE-3-3447	Thermocouple	X		Mi & Mo-L/HI
9-9	TE-3-3448	Thermocouple	X		Mi & Mo-L/HI
9-10	TE-3-3449	Thermocouple	X		Mi & Mo-L/HI
9-11	TE-3-3450	Thermocouple	X		Mi & Mo-L/HI
9-12	TE-3-3451	Thermocouple	X		Mi & Mo-L/HI
9-13	TE-3-3452	Thermocouple	X		Mi & Mo-L/HI
9-14	TE-3-3453	Thermocouple	X		Mi & Mo-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-15	TE-3-3454	Thermocouple	X		Mi & Mo-L/HI
9-16	TE-3-3455	Thermocouple	X		Mi & Mo-L/HI
9-17	TE-3-3456	Thermocouple	X		Mi & Mo-L/HI
9-18	TE-3-3457	Thermocouple	X		Mi & Mo-L/HI
9-19	TE-3-3458	Thermocouple	X		Mi & Mo-L/HI
9-20	TE-3-3459	Thermocouple	X		Mi & Mo-L/HI
9-21	TE-3-3460	Thermocouple	X		Mi & Mo-L/HI
9-22	TE-3-3461	Thermocouple	X		Mi & Mo-L/HI
9-23	TE-3-3462	Thermocouple	X		Mi & Mo-L/HI
9-24	TE-3-3463	Thermocouple	X		Mi & Mo-L/HI
9-25	TE-4-3440	Thermocouple	X		Mi & Mo-L/HI
9-26	TE-4-3441	Thermocouple	X		Mi & Mo-L/HI
9-27	TE-4-3442	Thermocouple	X		Mi & Mo-L/HI
9-28	TE-4-3443	Thermocouple	X		Mi & Mo-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-29	TE-4-3444	Thermocouple	X		Mi & Mo-L/HI
9-30	TE-4-3445	Thermocouple	X		Mi & Mo-L/HI
9-31	TE-4-3446	Thermocouple	X		Mi & Mo-L/HI
9-32	TE-4-3447	Thermocouple	X		Mi & Mo-L/HI
9-33	TE-4-3448	Thermocouple	X		Mi & Mo-L/HI
9-34	TE-4-3449	Thermocouple	X		Mi & Mo-L/HI
9-35	TE-4-3450	Thermocouple	X		Mi & Mo-L/HI
9-36	TE-4-3451	Thermocouple	X		Mi & Mo-L/HI
9-37	TE-4-3452	Thermocouple	X		Mi & Mo-L/HI
9-38	TE-4-3453	Thermocouple	X		Mi & Mo-L/HI
9-39	TE-4-3454	Thermocouple	X		Mi & Mo-L/HI
9-40	TE-4-3455	Thermocouple	X		Mi & Mo-L/HI
9-41	TE-4-3456	Thermocouple	X		Mi & Mo-L/HI
9-42	TE-4-3457	Thermocouple	X		Mi & Mo-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-43	TE-4-3458	Thermocouple	X		Mi & Mo-L/HI
9-44	TE-4-3459	Thermocouple	X		Mi & Mo-L/HI
9-45	TE-4-3460	Thermocouple	X		Mi & Mo-L/HI
9-46	TE-4-3461	Thermocouple	X		Mi & Mo-L/HI
9-47	TE-4-3462	Thermocouple	X		Mi & Mo-L/HI
9-48	TE-4-3463	Thermocouple	X		Mi & Mo-L/HI
9-49	See TB3115	Reference J-Box	X		Mi & Mo-L/HI
9-50	See TB4115	Reference J-Box	X		Mi & Mo-L/HI
9-51	RD-3-11	Radiation Detector		X	Mi & Mo-L/HI
9-52	RD-3-12	Radiation Detector		X	Mi & Mo-L/HI
9-53	RD-4-11	Radiation Detector		X	Mi & Mo-L/HI
9-54	RD-4-12	Radiation Detector		X	Mi & Mo-L/HI
9-55	3V3A	Filter Fan	X		Mi-L/HI
9-56	3V3B	Filter Fan	X		Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
9-57	3V3C	Filter Fan	X		Mi-L/HI
9-58	FS-3-1422	Flow Switch	X		Mi-L/HI
9-59	FS-3-1423	Flow Switch	X		Mi-L/HI
9-60	FS-3-1424	Flow Switch	X		Mi-L/HI
9-61	FS-3-1425	Flow Switch	X		Mi-L/HI
9-62	FS-3-1426	Flow Switch	X		Mi-L/HI
9-63	FS-3-1427	Flow Switch	X		Mi-L/HI
9-64	FS-4-1422	Flow Switch	X		Mi-L/HI
9-65	FS-4-1423	Flow Switch	X		Mi-L/HI
9-66	FS-4-1424	Flow Switch	X		Mi-L/HI
9-67	FS-4-1425	Flow Switch	X		Mi-L/HI
9-68	FS-4-1426	Flow Switch	X		Mi-L/HI
9-69	FS-4-1427	Flow Switch	X		Mi-L/HI
9-70	4V3A	Filter Fan	X		Mi-L/HI

MASTER LIST

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
9-71	4V3B	Filter Fan	X		Mi-L/HI
9-72	4V3C	Filter Fan	X		Mi-L/HI
9-73	SV-3-2905	Solenoid Valve	X		Mi-L/HI
9-74	SV-3-2906	Solenoid Valve	X		Mi-L/HI
9-75	SV-3-2907	Solenoid Valve	X		Mi-L/HI
9-76	SV-3-2908	Solenoid Valve	X		Mi-L/HI
9-77	SV-3-2909	Solenoid Valve	X		Mi-L/HI
9-78	SV-3-2910	Solenoid Valve	X		Mi-L/HI
9-79	SV-4-2905	Solenoid Valve	X		Mi-L/HI
9-80	SV-4-2906	Solenoid Valve	X		Mi-L/HI
9-81	SV-4-2907	Solenoid Valve	X		Mi-L/HI
9-82	SV-4-2908	Solenoid Valve	X		Mi-L/HI
9-83	SV-4-2909	Solenoid Valve	X		Mi-L/HI
9-84	SV-4-2910	Solenoid Valve	X		M-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to
Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTIATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-85	3V30A	Cooling Fan	X		Mi-L/HI
9-86	3V30B	Cooling Fan	X		Mi-L/HI
9-87	3V30C	Cooling Fan	X		Mi-L/HI
9-88	4V30A	Cooling Fan	X		Mi-L/HI
9-89	4V30B	Cooling Fan	X		Mi-L/HI
9-90	4V30C	Cooling Fan	X		Mi-L/HI
9-91	PT-3-1622	Pressure Transmitter		X	Mo-L/HI
9-92	PT-3-1623	Pressure Transmitter		X	Mo-L/HI
9-93	PT-4-1622	Pressure Transmitter		X	Mo-L/HI
9-94	PT-4-1623	Pressure Transmitter		X	Mo-L/HI
9-95	PS-3-2007	Pressure Switch		X	Mi-L/HI
9-96	PS-3-2008	Pressure Switch		X	Mi-L/HI
9-97	PS-3-2009	Pressure Switch		X	Mi-L/HI
9-98	PS-4-2007	Pressure Switch		X	Mi-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
9-99	PS-4-2008	Pressure Switch		X	Mi-L/HI
9-100	PS-4-2009	Pressure Switch		X	Mi-L/HI
9-101	PS-3-2056	Pressure Switch		X	Mi-L/HI
9-102	PS-3-2057	Pressure Switch		X	Mi-L/HI
9-103	PS-3-2058	Pressure Switch		X	Mi-L/HI
9-104	PS-4-2056	Pressure Switch		X	Mi-L/HI
9-105	PS-4-2057	Pressure Switch		X	Mi-L/HI
9-106	PS-4-2058	Pressure Switch		X	Mi-L/HI
9-107	SV-3-2911	Solenoid Valve		X	Mi & Mo-L/HI
9-108	SV-3-2912	Solenoid Valve		X	Mi & Mo-L/HI
9-109	SV-3-2913	Solenoid Valve		X	Mi & Mo-L/HI
9-110	SV-4-2911	Solenoid Valve		X	Mi & Mo-L/HI
9-111	SV-4-2912	Solenoid Valve		X	Mi & Mo-L/HI
9-112	SV-4-2913	Solenoid Valve		X	Mi & Mo-L/HI

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: CONTAINMENT VENTILATION
See Dwg. 5610-M11, Rev. 12

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-113	SV-3-2601	Solenoid Valve associated with POV-3-2601	X		Mi-L/HI
9-114	SV-3-2804	Solenoid Valve associated with POV-3-2601	X		Mi-L/HI
9-115	---	Limit switches assoc. with POV-3-2601	X		Mo-L/HI
9-116	SV-3-2603	Sol. Vlv. Assoc. w/POV-3-2603	X		Mi-L/HI
9-117	SV-3-2806	Solenoid Valve Associated w/POV-3-2603	X		Mi-L/HI
9-118	---	Limit Switches Assoc. with POV-3-2603	X		Mo-L/HI
9-119	SV-4-2601	Solenoid Valve Associated w/ POV-4-2601	X		Mi-L/HI
9-120	SV-4-2804	Solenoid Valve Associated w/POV-4-2601	X		Mi-L/HI
9-121	---	Limit Switches Assoc. with POV-4-2601	X		Mo-L/HI
9-122	SV-4-2603	Solenoid Valve Associated w/POV-4-2603	X		Mi-L/HI
9-123	SV-4-2806	Solenoid Valve Associated w/POV-4-2603	X		Mi-L/HI
9-124	---	Limit Switches Assoc. with POV-4-2603	X		Mo-L/HI
9-125	SV-3-2819	Solenoid Valve Assoc. with CV-3-2819	X		Mi-L/HI
9-126	----	Limit Switches Assoc. with CV-3-2819	X		

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM:

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
9-127	SV-4-2819	Solenoid Valve Assoc. w/ CV-4-2819	X		Mi-L/HI
9-128	---	Limit Switches Assoc. w/CV-4-2819	X		Mo-L/HI
9-129	SV-3-3709	Solenoid Valve		X	Mo-L
9-130	SV-3-3713	" "		X	"
9-131	SV-4-3709	" "		X	"
9-132	SV-4-3713	" "		X	"
	NOTE:	For associated cables, penetrations, terminal boxes and splices see respective titled sections of master list.			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS

REPLACEMENT ASCO & NAMCO DEVICES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
10-1	VARIOUS	SOLENOID VALVE (Mod. #NP831654V)	X		Mi-L/HI & HO
10-2	VARIOUS	SOLENOID VALVE (Mod. #NP831665V)	X		MI-L/HI
10-3	VARIOUS	LIMIT SWITCH	X		MI-L/HI & HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - SPLICE MATERIALS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
Section 11 11-1	N/A	HEAT SHRINKABLE INSULATING SLEEVES AT PENETRATIONS & TERMINAL BOXES (INSIDE CONTAINMENT)	X		Mi & Mo-L/HI,HO
11-2	N/A	HEAT SHRINKABLE INSULATING SLEEVES SUPPLIED AS PART OF PENETRATION		X	Mi & Mo-L/HI,HO
11-3	N/A	HEAT SHRINKABLE INSULATING SLEEVES AT FIELD INTERFACE WITH PEN. PIGTAILS (OUTSIDE CONTAINMENT)		X	Mi & Mo-L/HI,HO
11-4	N/A	TERMINAL BLOCKS (GE-EB 25)		X	Mi & Mo-L/HI,HO
11-5	N/A	ELECTRICAL TAPE FOR SOLENOID VALVE PIGTAILS (SCOTCH #23)		X	Mi & Mo-L/HI,HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
Section 12 12-1	T3P41	Power Penetration (Assoc. Dev: 3V30A)	X	X	
12-2	T3P42	Power Penetration (Assoc. Dev: 3V30B)	X	X	
12-3	T3P43	Power Penetration (Assoc. Dev: 3V30C)	X	X	
12-4	T3P51	Power Penetration (Assoc. Dev: MOV-3-536,)	X	X	
		MOV-3-744B, MOV-3-750 (MOV-3-866B)			
12-5	T3P53	Power Penetration (Assoc. Dev: MOV-3-536)	X	X	
		MOV-3-744A, MOV-3-751, (MOV-3-866A)			
12-6	T4P41	Power Penetration (Assoc. Dev: 4V30A)	X	X	
12-7	T4P42	Power Penetration (Assoc. Dev. 4V30B)	X	X	
12-8	T4P43	Power Penetration (Assoc. Dev: 4V30C)	X	X	
12-9	T4P51	Power Penetration Assoc. Dev: MOV-4-536,)	X	X	
		MOV-4-744A, MOV-4-751, (MOV-4-866A)			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
12-10	T4P52	Power Penetration (Assoc. Dev: MOV-4-535,)	X	X	
		MOV-4-744A, MOV-4-751, (MOV-4-866A)			
12-11	T3P11	Power Penetration (Assoc. Dev: 3V3A)	X	X	
12-12	T3P12	Power Penetration (Assoc. Dev: 3V3C)	X	X	
12-13	T3P22	Power Penetration (Assoc. Dev: 3V3B)	X	X	
12-14	T4P12	Power Penetration (Assoc. Dev: 4V3 C)	X	X	
12-15	T4P21	Power Penetration (Assoc. Dev: 4V3A)	X	X	
12-16	T4P22	Power Penetration (Assoc. Dev: 4V3B)	X	X	
12-17	T3C11	Control Penetration (Assoc. Dev: FS-3-1425,)	X	X	
		(SV-3-2908)			
12-18	T3C12	Control Penetration (Assoc. Dev: FS-3-1426,)	X	X	
		SV-3-2909, POV-3-2601, (POV-3-2603 SV-3-307 SV-3-310B)			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
12-19	T3C13	Control Penetration (Assoc. Dev: FS-3-1422,)	X	X	
		SV-3-2905, SV-3-310A, (CV-3-2819)			
12-20	T3C21	Control Penetration (Assoc. Dev. FS-3-1424,)	X	X	
		(SV-3-2907)			
12-21	T3C22	Control Penetration (Assoc. Dev: FS-3-1423)	X	X	
		FS-3-1427, MOV-3-535, (MOV-3-744B, MOV-3-750)			
		MOv-3-866B, SV-3-2906 (SV-3-2910)			
12-22	T3C23	Control Penetration (Assoc. Dev: MOV-3-536)	X	X	
		MOV-3-744A, MOV-3-751, (MOV-3-866A)			
12-23	T4C11	Control Penetration (Assoc. Dev: POV-4-2601)	X	X	
12-24	T4C12	Control Penetration (Assoc. Dev: FS-4-1424)	X	X	
		FS-4-1426, SV-4-2907, SV-4-2909, POV-4-2603			
		SV-4-310A, SV-3-310B			

MASTER LIST

ACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	OUTSIDE CTMT	COMPONENT FUNCTION
12-25	T4C13	Control Penetration (Assoc. Dev: FS-4-1423)	X	X	
		FS-4-1425, SV-4-2906 SV-4-2908, SV-4-307)			
12-26	T4C21	Control Penetration (Assoc. Dev: FS-4-1422,)	X	X	
		MOV-4-536, MOV-4-744A, MOV-4-866A, SV-4-2905)			
		...			
12-27	T4C23	Control Penetration	X	X	
		(Assoc. Dev. FS-4-1427) MOV-4-535. MOV-4-744B			
		MOV-4-750, MOV-4-751 MOV-4-866A, SV-4-2910			
12-28	T3I11	Instrument Penetration (Assoc. Devices:	X	X	
		TE-3-412B TE-3-412D)			
12-29	T3I13	Instrument Penetration (Assoc. Devices:	X	X	
		TE-3-453 TE-3-454)			
12-30	T3I14	Instrument Penetration (Ass. Dev: TE-3-432B	X	X	
		TE-3-432D)			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
12-31	T3I15	Instrument Penetration (Assos. Dev: TE-3-422B TE-3-422D)	X	X	
12-32	T3I21	Instrument Penetration (Assos. Dev: LT-3-474, LT-3-484, LT-3-494, LT-3-459, PT-3-403, PT-3-455)	X	X	
12-33	T3I22	Instrument Penetration (Assos. Dev: LT-3-920, LT-3-924, FT-3-475, FT-3-485, TT-3-1501, LT-3-928, PT-3-929, TT-3-1491, TT-3-1500, FT-3-495, PT-3-921, PT-3-925)	X	X	
12-34	T3I23	Instrument Penetration (Assos. Dev: FT-3-494, PT-3-457, FT-3-474, FT-3-484, LT-3-461, LT-3-476, LT-3-486, LT-3-496)	X	X	
12-35	T3I24	Instrument Penetration (Assoc. Dev: PT-3-456, LT-3-460, PT-3-923, PT-3-927, PT-3-931, LT-3-495, LT-3-485 LT-3-475, LT-3-922, LT-3-926, LT-3-930)	X	X	

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
12-36	T4I12	Instrument Penetration (Assoc. Dev: TE-4-412B)	X	X	
		TE-4-412D)			
12-37	T4I13	Instrument Penetration (Assoc. Dev: TE-4-453)	X	X	
		TE-4-454)			
12-38	T4I14	Instrument Penetration (Assoc. Dev: TE-4-432D	X	X	
		TE-4-432B)			
12-39	T4I15	Instrument Penetration (Assoc. Dev: TE-4-422B)	X	X	
		TE-4-422D)			
12-40	T4I21	Instrument Penetration (Assoc. Dev: LT-4-474,	X	X	
		LT-4-459, LT-4-484, PT-4-455, LT-4-494)			
12-41	T4I22	Instrument Penetration (Assoc. Dev. PT-4-929	X	X	
		LT-4-928, FT-4-495, LT-4-924, FT-4-475,			
		LT-4-920, FT-4-485, TT-4-1501, TT-4-1500,			
		TT-4-1491, PT-4-921, PT-4-925)			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
12- 42	T4I23	Instrument Penetration (Assoc. Dev: LT-4-476,	X	X	
		LT-4-486, LT-4-496, LT-4-461, FT-4-474 FT-4-484, FT-4-494			
		PT-4-403, PT-4-457)			
12- 43	T4I24	Instrument Penetration (Assoc. Dev: PT-4-923	X	X	
		PT-4-927, LT-4-930, LT-4-922, LT-4-460,			
		PT-4-456, PT-4-931, LT-4-926, LT-4-475,			
		LT-4-485, LT-4-495)			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - CABLES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
Section 13 13-1	Cable Code N47	1/C-4/0 Power Cable	X		Mi & Mo-L/HI&HO
13-2	Cable Code N50	1/C #4 Power Cable	X		Mi & Mo-L/HI&HO
13-3	Cable Code N52	3/C #12 Power Cable	X		Mi & Mo-L/HI&HO
13-4	Cable Code 53	3/C #12 Control Cable	X		Mi & Mo-L/HI&HO
13-5	Cable Code 54	2/C #12 Control Cable	X		Mi & Mo-L/HI&HO
13-6	Cable Code 55	5/C #12 Control Cable	X		Mi & Mo-L/HI&HO
13-7	Cable Code 56	7/C #12 Control Cable	X		Mi & Mo-L/HI&HO
13-8	Cable Code 60	2/C #16 Inst. Cable	X		Mi & Mo-L/HI&HO
13-9	Cable Code 61	4/C #16 General Electric Inst. Cable	X		Mi & Mo-L/HI&HO
13-10	Cable Code 61	4/C #16 Continental Inst. Cable	X		Mi & Mo-L/HI&HO
13-11	Cable Code N77	Thermocouple Wire #20	X		Mi & Mo-L/HI&HO
13-12	Cable Code N6	1/C-4/0 Power Cable		X	Mi & Mo-L/HI&HO
13-13	Cable Code N7	1/C-750 MCM Power		X	Mi & Mo-L/HI&HO
13-14	Cable Code N19	2/C #12 Power Cable		X	Mi & Mo-L/HI&HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - CABLES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
13-15	Cable Code N20	3/C #12 Power Cable		X	Mi & Mo-L/HI&HO
13-16	Cable Code 21	2/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-17	Cable Code 22	3/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-18	Cable Code 23	5/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-19	Cable Code 24	7/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-20	Cable Code 25	9/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-21	Cable Code 26	12/C #12 Control Cable		X	Mi & Mo-L/HI&HO
13-22	Cable Code 63	2/C #16 Instrument Cable		X	Mi & Mo-L/HI&HO
13-23	Cable Code 64	4/C #16 Instrument Cable		X	Mi & Mo-L/HI&HO
13-24	Cable Code 80	2/C #16 Instrument Cable		X	Mi & Mo-L/HI&HO
13-25	Cable Code L1P	2/C #16 Instrument Cable		X	Mi & Mo-L/HI&HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
14-1	TB 3044	Terminal Box Assoc. Dev. SV-3-2921 SV-3-2924, SV-3-2812		X	Mi-L/HI
14-2	TB 3065	Terminal Box (Assoc. Dev: SV-3-2922		X	Mi-L/HI
14-3	TB 3067	Terminal Box (Assoc. Dev: SV-3-841B SV-3-2911, SV-3-2912 SV-3-2913			MI & MO-L/HI
14-4	TB 3122	Terminal Box (Assoc. Dev: SV-3-2908	X		Mi-L/HI
14-5	TB 3123	Terminal Box (Assoc. Dev: SV-3-2906	X		Mi-L/HI
14-6	TB 3124	Terminal Box (Assoc. Dev: SV-3-2907)	X		Mi-L/HI
14-7	TB 3125	Terminal Box (Assoc. Dev: SV-3-2905	X		Mi-L/HI
14-8	TB 3126	Terminal Box (Assoc. Dev: SV-3-2909	X		Mi-L/HI
14-9	TB 3127	Terminal Box (Assoc. Dev: SV-3-2910	X		Mi-l/HI
14-10	TB 3115	Terminal Box (Assoc. Dev.:			Mi & Mo-L/HI
		TE-3-3440 TE-3-3463	X		
14-11	TB 3134	Terminal Box (Assoc. Dev: SV-3-2925			
		SV-3-2814 SV-3-204 PC-3-957B		X	Mi-L/HI, HO

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS					
SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	 OUTSIDE CTMT	COMPONENT FUNCTION
14-12	TB 3135	Terminal Box (Assoc. Dev: SV-3-115B)		X	Mi-L/HI
		(PC-3-957C)			
14-13	TB 3143	Terminal Box (Assoc. Dev: SV-3-2819	X		Mi-L/HI
		SV-3-200C, SV-3-310A)			
14-14	TB 3144	Terminal Box (Assoc. Dev: SV-3-2601,	X		MI-L/HI
		SV-3-2804, SV-3-2603, SV-3-2806, SV-3-200A			
14-15	TB 3145	Terminal Box (Assoc. Dev: SV-3-310B	X		Mi-L/HI, HO
		SV-3-200B			
14-16	TB 3150	Terminal Box (Asspc Dev: SV-3-841A		X	Mi & MO-L/HI
		SV-3-2911, SV-3-2912			
14-17	TB 3208	Terminal Box (Assoc. Dev: SV-3-2810		X	Mi-L/HI
		SV-3-2920 SV-3-2923			
14-18	TB 3213	Terminal Box (Assoc. Dev: PC-3-957A		X	Mi-L/HI
		PC-3-957B, PC-3-957C, PC-3-957D			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION		COMPONENT FUNCTION
			INSIDE CTMT	OUTSIDE CTMT	
14 -19	TB3301	Terminal Box (Assoc. Dev: TE-3-412B	X		Mi-L/HI, HO
		TE-3-412D, LT-3-459, PT-3-455			
14 -20	TB3303	Terminal Box (Assoc. Dev: LT-3-474)	X		Mi & Mo-L/HI,HO
14 -21	TB3305	Terminal Box (Assoc. Dev: FT-3-475	X		
		FT-3-485, FT-3-495)			
14 -22	TB3306	Terminal Box (Assoc. Dev: FT-3-475	X		
		FT-3-485, FT-3-495)			
14 -23	TB4044	Terminal Box (Assoc. Dev: SV-4-2920		X	
		SV-4-2923, SV-4-2810)			
14 -24	TB4067	Terminal Box (Assoc. Dev: SV-4-841B		X	
		SV-4-2911, SV-4-2912, SV-4-2913)			
14 -25	TB4115	Terminal Box (Assoc. Dev:	X		
		TE-4-3440 TE-4-3463)			
14 -26	TB4122	Terminal Box (Assoc. Dev: SV-4-2906)	X		

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
14-27	TB4123	Terminal Box Assoc. Dev: SV-4-2906	X		
14-28	TB4124	Terminal Box Assoc. Dev.- SV-4-2907	X		
14-29	TB4125	Terminal Box Assoc. Dev: SV-4-2908	X		
14-30	TB4126	Terminal Box Assoc. Dev: SV-4-2909	X		
14-31	TB4127	Terminal Box Assoc. Dev: SV-4-2910	X		
14-32	TB4134	Terminal Box Assoc. Dev: SV-4-2921		X	
		SV-4-2924, SV-4-2812 SV-4-204, PC-4-957C			
14-33	TB4135	Terminal Box Assoc. Dev: SV-4-115B		X	
		PC-4-957C			
14-34	TB4143	Terminal Box Assoc. Dev: SV-4-2819	X		
		SV-4-310A, SV-4-200C			
14-35	TB4144	Terminal Box Assoc. Dev: SV-4-2601	X		
		SV-4-2804, SV-4-2603 SV-4-2806			

MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS - TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
14 -36	TB4145	Terminal Box Assoc. Dev: SV-4-200A	X		
		SV-4-200B, SV-4-310B			
14 -37	TB4150	Terminal Box Assoc. Dev. SV-4-841A		X	
		SV-4-2911, SV-4-2912, SV-4-2913			
14 38	TB4208	Terminal Box Assoc. Dev: SV-4-2922		X	
		SV-4-2925, SV-4-2814			
14 -39	TB4367	Terminal Box Assoc. Dev: LT-4-474	X		
14 -40	TB4368	Terminal Box Assoc. Dev: FT-4-475	X		
		FT-4-495, FT-4-932			
14 -41	TB4369	Terminal Box Assoc. Dev: LT-4-494	X		
14 -42	TB4371	Terminal Box Assoc. Dev: PT-4-456	X		
		LT-4-460, LT-4-475, LT-4-495, LT-4-933			
14 -43	TB4372	Terminal Box Assoc. Dev: LT-4-475	X		
		FT-4-933			

MASTER LIST

ACILITY: TURKEY POINT
NIT: 3 & 4

(Class IE Electrical Equipment Required to Function Under Postulated Accident Conditions)

DOCKET NO:
UNIT 3 -. 50-250
UNIT 4 - 50-251
SYSTEM: MISCELLANEOUS TERMINAL BOXES

FUNCTION LEGEND
L - LOCA
H - HELB
I - INSIDE CTMT
O - OUTSIDE CTMT
Mi - MITIGATE
Mo - MONITOR

COMPONENTS

SECTION/ ITEM NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	COMPONENT LOCATION INSIDE CTMT	COMPONENT LOCATION OUTSIDE CTMT	COMPONENT FUNCTION
14 -44	TB4379	Terminal Box (Assoc. Dev: FT-4-484	X		
		LT-4-486, LT-4-496			
14 -45	TB4389	Terminal Box (Assoc. Dev: TE-4-422D)	X		

SECTION C

SYSTEM COMPONENT EVALUATION WORK SHEETS

C 1 Discussion of System Component Evaluation Work Sheets

C 2 System Component Evaluation Work Sheets for Components Listed in Master List

C 3 Attachments

C 4 List of Qualification Document References

SECTION C 1

DISCUSSION OF COMPONENT EVALUATION WORK SHEETS

1. The component evaluation sheets are formated in accordance with the sample in the I. E. Bulletin 79-01B.

2. A component evaluation sheet has been prepared for every line item in the Master List. The page number on a component evaluation sheet corresponds to the line number on the Master List. Each Section of the component evaluation sheets corresponds to the Section in the Master List.

3. The component evaluations have been based on an extensive research of the qualification documents. Where qualification documents were not available, evaluations were made by engineering analysis of the component materials. Where necessary, vendor information was obtained in preparing the engineering analysis.

4. For the devices located outside containment, the manufacturer, model number, serial number, location, area and floor elevation were confirmed by a field walkdown.

   For the in-containment devices, the manufacturer, model number, serial number, location, area and floor elevation were based on the engineering documents. The information will be verified during the proposed walkdown at the next unit refueling.

5. Flood elevation was considered only for equipment located inside containment. The elevation indicated on the component evaluation sheets represents floor elevation.

6. Accuracy for instruments has not been addressed in this response. This subject is being discussed with the NSSS vendor. Accuracy will be addressed in the Phase II (90 days) response.

7. Aging and submergence have not been addressed as these were not required environmental parameters in the Turkey Point 3 & 4 FSAR. These will be addressed in the Phase II response.

8. As stated in the "Discussion of Master List", all devices in the auxiliary building have been evaluated for radiation resistance only for an accident inside containment (recirculation of containment sump liquid). Temperature, pressure and humidity are considered no worse than that during a normal unit shutdown. The "Discussion of Master List" identifies the High Energy Line Breaks (HELB) in the Auxiliary Building. All the devices evaluated in the Auxiliary Building are not affected by the environment of the HELB in the Auxiliary Building.

   The radiation dose levels in the auxiliary building for a post in-containment accident are based on Radiation Zone Maps developed for response to "NUREG-0578 Short Term Requirements", Item 2.1.6.b ("Plant Shielding Review"). No radiation qualification requirements were specified for equipment bought for outside containment use. However, based on the available data and engineering analysis, the equipment has been evaluated for the radiation levels.

   For equipment mounted outdoors in the HELB areas (Steam Line and Feedwater Line), evaluations have been based on a conservative environment of 212°F. and 100% relative humidity.

9. Where noted in the "Environmental Qualification" column of the component evaluation sheet, the NSSS vendor's proprietary information has not been entered. However, a reference is made to the document where the information can be found.

10. All the attachments referred to in the component evaluation work sheets are included in the Section "C 3". The Document References are listed in the Section "C 4" and will be available at Turkey Point Document Control.

12. Comments on the qualification some equipment:

a. ASCO Solenoid Valves

All the listed ASCO solenoids inside containment, except those for the charcoal filter dousing valves, will be replaced by fully qualified ASCO solenoids during the first available unit refueling outage after the qualification tests on the conduit sealing material has been successfully completed. Qualified conduit sealing is required to take full credit of the qualification on the replacement solenoids.

The ASCO solenoid valves are used on valve operators inside the containment to control the associated valve operator during normal operation and automatically place the valve in the desired position following receipt of a containment isolation signal. These valves have been analyzed in a generic Westinghouse letter to USNRC (NS-CE-755, dated August 15, 1975), which demonstrated that all failure modes of the valve will result in safe operation. Potential modes of failure identified for solenoid valves in the letter were loss of air supply, electrical failures of the solenoid, environmentally caused degradation of materials of construction, and plunger binding due to thermal expansion of the plunger to the core. The NRC has accepted this evaluation (USNRC Evaluation Report dated January 31, 1979). The application of these solenoids is discussed below. Continued service (for most of the valves) in a post LOCA environment is not required for the safe shutdown of the unit.

1. Instrument Air Bleed Isolation (CV-2819)

This is a fail closed valve required for containment isolation. The ASCO solenoid valve (SV-2819) regulate the air supply to the operator. The Westinghouse analysis (NS-CE-755), referred to above, demonstrates that the solenoid valve, which regulates air supply to the containment isolation air operator, will close (its safe position) in all postulated mode of failure.

Therefore, it can reasonably be expected that even if the solenoid valve fails, the air operated valve will isolate the containment as designed. It should be noted that a redundant isolation valve, CV-2826, is provided outside the containment and will provide a back-up method of isolation.

2. CVCS Charging Line to RCS (HCV-310A, 310B)

Valve HCV-310A is in the normal CVCS charging path to the cold leg of an RCS loop. Valve HCV-310B is in the alternate charging path provided to an RCS loop hot leg. Both of these are fail open valves, with only one required for post LOCA chemical addition for PH control. These valves are not containment isolation valves.

Valve HCV-310A is normally open, and is the normal charging path to the RCS. Since this valve is open and fails open, there will be no need to operate this valve following a postulated accident. Furthermore, potential modes of failure identified for the solenoid valves such as Loss of air supply, electrical failure for the solenoid, environmentally caused degradation of materials of construction and plunger binding due to thermal expansion of the plunger to the core, will not result in failure of the line valve (HCV-310A) to the non-preferred (closed) position.

3. CVCS Letdown Line Isolation (CV-200A, 200B, 200C)

These are fail closed valves required for containment isolation. The ASCO solenoid valves (SV-200A, 200B, 200C) regulate the air supply. The Westinghouse Analysis (NS-CE-755) demonstrates that the solenoid valves, which regulate air supply to containment isolation air operators, will close (its safe position) in all postulated modes of failure.

Therefore, it can reasonably be expected that even if the valve fails, it will isolate the containment as designed. It should be noted that a redundant isolation valve CV-204 is provided outside the containment and provides a redundant method of isolation.

4. Containment Purge Isolation Valves (Supply and Exhaust) (CV-2601, 2603)

These are fail closed valves required for containment purging and isolation. There are two ASCO solenoid valves (SV-2601, 2804, 2603, 2806) in series which regulate the air supply to each purge valve. Both solenoids must be open to supply air to the valves and closure of either solenoid valve will dump air from the diaphram. This provides assurance that even if one of the solenoid valves were to fail, the purge valve will close and provide containment isolation. The Westinghouse analysis (NS-CE-755) demonstrates that the solenoid valves, which regulate air supply to containment isolation air operators will close (its safe position) in all postulated modes of failure.

Therefore, it can reasonably be expected that even if the valve fails, it will isolate the containment as designed. It should be noted that redundant isolation valves (POV2600, 2602) are provided outside the containment and will provide a redundant method of isolation.

b. NANCO Limit Switches

All the listed NAMCO limit switches inside the containment will be replaced by fully qualified NAMCO limit switches during the first available refueling outage after the test on the conduit sealing material has been successfully completed. Qualified conduit sealing is required to take full credit of the qualification on the replacement solenoids.

The NAMCO limit switches used on valves located inside the containment serve to provide valve position indication during normal operation and verification of valve position following containment isolation. They are not used for any associated control function.

Following containment isolation, there are backup position indication methods available to the control room operator to verify that the containment boundary is maintained and isolation completed, should the limit switches inside containment fail under post accident conditions. These methods are discussed in detail below. These discussions provide justification for continued operation. Continued service (for most of the Limit Switches) in a post LOCA environment is not required for the safe shutdown of the unit.

1. CVCS to RCS Loop A Cold Leg and Loop C Hot Leg (HCV-310A, B)

   The charging line valves to RCS Loops A and B (HCV-310A and B) are used for post LOCA chemical addition to control the pH of the sump water and do not serve containment isolation functions. The limit switches are not used for control, and indication would be desirable only during chemical injection.

   It has been stated in a previous submittal that the valves required for post LOCA pH control of containment sump water have position indication on the control room board for the operator to observe that either valve (HCV-310A or HCV-310B) is open.

   There are two flow transmitters (FT-110 and FT-122) outside containment in the charging line with indication in the control room (FI-110 and FI-122). This indication will serve as verification that either valve 310A or 310B is in the open position.

   The emergency operating procedure 20001 (E-1) specifically instructs the operator to monitor both flow indicators to assure there is adequate flow during chemical injection. The flow transmitter will prositively provide indication that either of the valves is in the open position.

2. CVCS Letdown Line Isolation (CV-200 A, B, C)

These are the CVCS letdown line isolation valves inside containment which are aparallel to each other. Valves CV-200A and CV-200B are normally closed. Valve 200C is normally open. These valves are solenoid operated valves which fail closed on receipt of containment isolation signal.

The second isolation valve (CV-204) on this line is located outside containment, fails closed and closed on recipt of containment isolation signal. Therefore, indication of the outside valve position serves as a backup indication of containment isolation.

c. Containment Sump Level Switches (MAGNETROL)

Containment sump level switches will be replaced by fully qualified level switches at the first available outage after receipt.

The purpose of these level switches is to provide backup indication to the control room operator concerning containment recirculation sump level and NPSH availability when post LOCA injection is to be terminated and recirculation initiated. The operator's primary indication for NPSH is level indication in the Refueling Water Storage Tank located outside containment. The Emergency Operating Procedure 20001 (E-1) states that following termination of injection and prior to initiation of recirculation, the sump level lights should be lit.

In the unlikely event that these switches should fail to function, the operator will be able to realign the system to the recirculation phase in light of availability of RWST level indication. If backup level indication is required, the operator may:

1. Use a pressure sensing device in test connection 942N to determine pressure from which level can be inferred. This operation can be done outside containment without opening MOV-860A, the first isolation outside containment, or

2. Open either MOV-860A and MOV-861B, or MOV-860B and MOV-861B and utilize the existing pressure indication located upstream of the RHR pumps (PI-1596, 1595) and/or the High Head SI Pumps (PIC-957A, 957B) or

3. Open all isolation valves, start all pumps, and observe pump operation for excessive noise and vibration characteristic of cavitation caused by low level.

d. RCS Pressure Transmitter PT-403

A reactor coolant pressure transmitter in each unit containment, which is Fischer and Porter Standard Model, will be replaced with a qualified pressure transmitter at the earliest opportunity. A justification for continued operation of the units has been developed in the attachment to the component evaluation sheet (Attachment # 4)

e. Charcoal Filter Thermocouple Reference Junction Box.

The Thermocopule Reference Junction Box associated with charcoal filter thermocouples in each unit will be replaced by a qualified reference junction box at the first unit refueling outage after receipt.

The purpose of this device is to provide a signal used to correct the reference junctions of the thermocouples to 0° C. The reference junctions at Turkey Point are not maintained at a known temperature and therefore requires compensation to obtain accurate temperature signals from the thermocouples. Emergency Operating Procedure 2001 (E-1) requires the operator to monitor charcoal filter temperature and if the temperature exceeds 325° F, he is instructed to initiate dousing manually.

The temperature of charcoal filters should remain at satisfactory level if emergency containment filter fans are running. The emergency containment filter fan motors are qualified for the period of time they are required following a LOCA. Also, the Air Flow Switches in the emergency filter air path initiates dousing on loss of air flow.

13. The following items which were listed in the response to I E Bulletin 79-01 as needing further review, have been evaluated and found adequate to meet the intended safe shutdown functions:

1. Thermocouples associated with Emergency Containment Ventilation Charcoal Filters.
2. Extension wires associated with the thermocouples.
3. Air flow switches in the Emergency Filter Air Path.

SECTION C2-1

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: REACTOR COOLANT

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1-2	PT-3-405	PRESSURE TRANSMITTER			
1-3	PT-3-406	PRESSURE TRANSMITTER			
1-4	PT-3-404	PRESSURE TRANSMITTER			
1-5	PT-4-403	PRESSURE TRANSMITTER			
1-6	PT-4-405	PRESSURE TRANSMITTER			
1-7	PT-4-406	PRESSURE TRANSMITTER			
1-8	PT-4-404	PRESSURE TRANSMITTER			
1-9	PT-3-455	PRESSURE TRANSMITTER			
1-10	PT-3-456	PRESSURE TRANSMITTER			
1-11	PT-3-457	PRESSURE TRANSMITTER			
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SECTION C2-1

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: REACTOR COOLANT

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1-21	TE-3-412-B	RESISTANCE TEMPERATURE DETECTOR	0	5/2/80	
1-22	TE-3-412-D	RESISTANCE TEMPERATURE DETECTOR			
1-23	TE-3-422-B	RESISTANCE TEMPERATURE DETECTOR			
1-24	TE-3-422-D	RESISTANCE TEMPERATURE DETECTOR			
1-25	TE-3-432-B	RESISTANCE TEMPERATURE DETECTOR			
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1-27	TE-4-412-B	RESISTANCE TEMPERATURE DETECTOR			
1-28	TE-4-412-D	RESISTANCE TEMPERATURE DETECTOR			
1-29	TE-4-422-B	RESISTANCE TEMPERATURE DETECTOR			
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1-31	TE-4-432-B	RESISTANCE TEMPERATURE DETECTOR			
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1-33	MOV-3-535	VALVE MOTOR OPERATOR			
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1-35	MOV-4-535	VALVE MOTOR OPERATOR			
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1-37	TE-3-410	RESISTANCE TEMPERATURE DETECTOR			
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1-39	TE-3-420	RESISTANCE TEMPERATURE DETECTOR			
1-40	TE-3-423	RESISTANCE TEMPERATURE DETECTOR	↓	↓	

SECTION C2-1

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: REACTOR COOLANT

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1-41	TE-3-430	RESISTANCE TEMPERATURE DETECTOR	0	5/2/80	
1-42	TE-3-433	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-43	TE-4-410	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-44	TE-4-413	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-45	TE-4-420	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-46	TE-4-423	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-47	TE-4-430	RESISTANCE TEMPERATURE DETECTOR	↓	↓	
1-48	TE-4-433	RESISTANCE TEMPERATURE DETECTOR	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO. PT-3-403
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (IN & OUT) MONITOR & MITIGATE

MANUFACTURER: Fischer & Porter

MODEL NO: 50EP1041BCXANS
Ser. No. 6804A6255A50
ACCURACY: Spec:
Demon: See Note 3

SERVICE: Reactor Coolant Press. Monitor & Interlock to MOV-3-750

LOCATION INSIDE CONTAINMENT

Area 5
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, SH1, REV. 6
Elect 5610-E-100 REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 days	6 MIN	22	13 (TABLE A-7)	Simultaneous Test	See Attachment 4
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	13 (fig. 5-2)	Simultaneous Test	See Attachment 4
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	13 para 5.3	Simultaneous Test	See Attachment 4
Relative Humdity (%)	100	See Note 2	ASSUMED	13 para 5.3	Simultaneous Test	See Attachment 4
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	13 para 5.2	Simultaneous Test	See Attachment 4
Radiation	SEE ATTACHMENT #3	$8.2X10^{5}$ R	2	5 (appendix)	Test on Similar Device	See Attachment 4
Aging	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary information. For values refer to the Documentation Reference.
3) Accuracy is held as an open item for resolution in Phase II

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
5. F. P. REPORT #DP2224-1 RP #002 WITH FIRL TEST REP. F-C2815, MAY 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT. PLANT ID NO. PT-3-405 Component: Pressure Transmitter FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041BCXANS Ser. No. 7304A4221A1 (Hi-temp- Hi rad) ACCURACY: Spec: Demon: See Note 2 SERVICE: RCS press. Mon & interlock to MOV-3-751 LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-T-E-4501, SH1, REV. 6 Elect 5610-E-100 REV 7 Flood Level Elev: 19'-0" Above Flood Level: Yes x No ___	Operating Time	31 days	31 days	22	7 (fig. 3-6) & 36	Simultaneous test & Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	320 (1hr) 293 (2hr) 227 (3½hr) 281 (½hr)	1	7 .(figs. 3-6)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1hr) 45 PSIG (2hr) 5 PSIG (3½hr) 35 PSIG (½hr)	1	7 (figs. 3-6)	Simultaneous Test	None
	Relative Humdity (%)	100 %	100% Saturated Steam	ASSUMED	7 (page 2)	Simultaneous	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to PH 10.5	3	8	Qual. test for paint by Ameron	None
	Radiation	SEE ATTACHMENT #3	$1.2X10^{8}$ R	2	6	Test on similar device	None
	Aging	NOT REQUIRED	None	---	---	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held open item for resolution in phase II

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating time for devices covered in IEB-7901B Master List.
36. Qualification of F & P transmitters-Analysis to extrapolate test results.
6. Fisher & Porter report #DP 2224-1 RPT-004 Dated 10-22-73.
7. F & P test report 2204-51-B-006.
8. Fisher & Porter letter 3-6-75 with Ameron lab REP # 15509 of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO. PT-3-406
Component:
Pressure Transmitter
FUNCTION: LOCA/HELB (in & out) Monitor & Mitigate

MANUFACTURER: Rosemount

MODEL NO: 1153

ACCURACY: Spec: See Note 3
Demon:

SERVICE: Reactor Coolant Sub Cool Margin Monitor

LOCATION: INSIDE CONTAINMENT

Area
Elev
Ref Dwg No.
Mech 5610-T-E4501,SH 1
Elect

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	68 HRS (See Note 2)	22	44 - (Fig. 1 page 21)	Sequential Test	None
Temperature (°F)	SEE ATTACHMENT #1	350°F	1	44 (Fig. 1 page 21)	Sequential Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	120 psig	1	44 (Fig. 1 page 21)	Sequential Test	None
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	44 (Fig. 1 page 21)	Sequential Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 ppm Boric Acid NAOH to ph10.5	3	44 (appendix II page 5)	Sequential Test	None
Radiation	SEE ATTACHMENT #3	44 x 10^6 RADS	2	44 (para. 5.1)	Sequential Test	None
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) The specified pressure and temperature profiles fall well within tested profile (ref 44 - fig. 1, page 21) for most part therefore, no temp. extrapolation check needed for qualification.
3) Accuracy is held as an open item for resolution of Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

44. ROSEMOUNT REPORT NO. 3788, REV. A.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO. PT-3-404
Component:
Pressure Transmitter
FUNCTION: LOCA/HELB (in & out) Monitor & Mitigate

MANUFACTURER: Rosemount

MODEL NO: 1153

ACCURACY: Spec: See Note 3
Demon:

SERVICE: Reactor Coolant Sub Cool Margin Monitor

LOCATION INSIDE CONTAINMENT

Area
Elev
Ref Dwg No.
Mech 5610-T-E4501,SH 1
Elect

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	68 HRS (See Note 2)	22	44 (Fig. 1 page 21)	Sequential Test	None
Temperature (^{o}F)	SEE ATTACHMENT #1	350^{o}F	1	44 (Fig. 1 page 21)	Sequential Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	120 psig	1	44 (Fig. 1 page 21)	Sequential Test	None
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	44 (Fig. 1 page 21)	Sequential Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 ppm Boric Acid NAOH to ph10.5	3	44 (appendix II page 5)	Sequential Test	None
Radiation	SEE ATTACHMENT #3	44 x 10^{6} RADS	2	44 (para. 5.1)	Sequential Test	None
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) The specified pressure and temperature profiles fall well within tested profile (ref 44 - fig. 1, page 21) for most part therefore, no temp. extrapolation check needed for qualification.
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
44. ROSEMOUNT REPORT NO. 3788, REV. A.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO. PT-4-403 Component: Pressure Transmitter FUNCTION: LOCA/HELB (IN & OUT) MONITOR & MITIGATE MANUFACTURER: Fischer & Porter MODEL NO: 50EP1041BCXANS Ser. No. 7308A5631A3 ACCURACY: Spec: Demon: See Note 3 SERVICE: Reactor Coolant Press. Monitor & Interlock to MOV-3-750 LOCATION INSIDE CONTAINMENT Area 11 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501,SH1, REV. 6 Elect 5610-E-107 REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	6 MIN	22	13 (TABLE A-7)	Simultaneous Test	See Attachment 4
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	13 (fig. 5.2)	Simultaneous Test	See Attachment 4
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	13 para 5.3	Simultaneous Test	See Attachment 4
	Relative Humidity (%)		See Note 2	ASSUMED	13 para 5.3	Simultaneous Test	See Attachment 4
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	13 para 5.2	Simultaneous Test	See Attachment 4
	Radiation	SEE ATTACHMENT #3	8.2X10^5 R	2	5 (appendix)	Test on similar device	See Attachment 4
	Aging	NOT REQUIRED		---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary information. For values refer to the Document Reference.
3) Accuracy is held as an open item for resolution in phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
5. F. P. REPORT #DP2224-1 RP #002 WITH FIRL TEST REP. F-C2815, MAY 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO. PT-4-405
Component: Pressure Transmitter

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

ANUFACTURER: Fisher & Porter

ODEL NO: 50EP1041BCXANS
Ser No. 6804A6257A18 (Hi-temp-Hi-rad)
CCURACY: Spec:
Demon: See Note 2

SERVICE: RCS Press. Mon & interlock to MOV-4-751

OCATION INSIDE CONTAINMENT

rea
lev
ef Dwg No.
ech 5610-T-E-4501,SH1, REV. 6
lect 5610-E-107 REV 7

lood Level Elev: 19'-0"
bove Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 days	31 days	22	7 (fig.3-6) & 36	Simultaneous Test & Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	320 (1hr) 293 (2hr) 227 (3½hr) 281 (½hr)	1	7 (figs. 3-6)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1hr) 45 PSIG (2hr) 5 PSIG (3½hr) 35 PSIG (½hr)	1	7 (fig.s 3-6)	Simultaneous Test	None
Relative Humdity (%)	100 %	100% saturated Stm	ASSUMED	7 (page 2)	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to PH 10.5	3	8	Qual. test for paint by Ameron	None
Radiation	SEE ATTACHMENT #3	1.2×10^{8} r	2	6	Test on similar device	None
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in phase II.

DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating time for devices covered in IEB-7901B Master List.
36. Qualification of F&P transmitters-Analysis to extrapolate test results.
6. Fisher & Porter report #DP 2224-1 RPT-004 Dated 10-22-73.
7. F & P test report 2204-51-B-006.
8. Fisher & Porter letter 3-6-75 with Ameron lab Rep. # 15509 of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO. PT-4-406 Component: Pressure Transmitter FUNCTION: LOCA/HELB (in & out) Monitor & Mitigate MANUFACTURER: Rosemount MODEL NO: 1153 ACCURACY: Spec: See Note 3 Demon: SERVICE: Reactor Coolant Sub Cool Margin Monitor LOCATION: INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-T-E4501,SH 1 Elect Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	31 DAYS	68 HRS (See Note 2)	22	44 (Fig. 1 page 21)	Sequential Test	None
	Temperature (°F)	SEE ATTACHMENT #1	350°F	1	44 (Fig. 1 page 21)	Sequential Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	120 psig	1	44 (Fig. 1 page 21)	Sequential Test	None
	Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	44 (Fig. 1 page 21)	Sequential Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 ppm Boric Acid NAOH to ph10.5	3	44 (appendix II page 5)	Sequential Test	None
	Radiation	SEE ATTACHMENT #3	44 x 10^6 RADS	2	44 (para. 5.1)	Sequential Test	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) The specified pressure and temperature profiles fall well within tested profile (ref 44 - fig. 1, page 21) for most part therefore, no temp. extrapolation check needed for qualification.
3) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
44. ROSEMOUNT REPORT NO. 3788, REV. A.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO. PT-4-404 Component: Pressure Transmitter FUNCTION: LOCA/HELB (in & out) Monitor & Mitigate MANUFACTURER: Rosemount MODEL NO: 1153 ACCURACY: Spec: See Note 3 Demon: SERVICE: Reactor Coolant Sub Cool Margin Monitor LOCATION: INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-T-E4501,SH 1 Elect Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	31 DAYS	68 HRS (See Note 2)	22	44 (Fig. 1 page 21)	Sequential Test	None
	Temperature (°F)	SEE ATTACHMENT #1	350°F	1	44 (Fig. 1 page 21)	Sequential Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	120 psig	1	44 (Fig. 1 page 21)	Sequential Test	None
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	44 (Fig. 1 page 21)	Sequential Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 ppm Boric Acid NAOH to ph10.5	3	44 (appendix II page 5)	Sequential Test	None
	Radiation	SEE ATTACHMENT #3	44 x 10^6 RADS	2	44 (para. 5.1)	Sequential Test	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) The specified pressure and temperature profiles fall well within tested profile (ref 44 -- fig. 1, page 21) for most part therefore, no temp. extrapolation check needed for qualification.
3) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

44. ROSEMOUNT REPORT NO. 3788, REV. A.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Reactor Coolant PLANT ID NO. PT-3-455 Component: Pressure Transmitter FUNCTION: Mitigate LOCA/HELB (in & out) MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041 BCXANS SER # 6804A6255A85 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Pressurizer Pressure - To Provide SI Signal LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-101, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

3) This is Westinghouse proprietary information. For values, reference qualification documentation.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL I, SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Reactor Coolant
PLANT ID NO. PT-3-456
Component:
Pressure Transmitter
FUNCTION:
Mitigate LOCA/HELB (in & out)

MANUFACTURER: Fisher & Porter

MODEL NO: 50EP1041 BCXANS
SER #6804A625A83
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE:
Pressurizer Pressure - To Provide SI Signal

LOCATION INSIDE CONTAINMENT

Area 5
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4501, Rev. 6
Elect 5610-E-101, Rev. 8

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Temperature ($^{\circ}$F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

3) This is Westinghouse proprietary information. For values, reference qualification documentation.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL I, SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Reactor Coolant
PLANT ID NO. PT-3-457
Component:
Pressure Transmitter
FUNCTION:
Mitigate LOCA/HELB (in & out)
MANUFACTURER: Fisher & Porter
MODEL NO: 50EP1041 BCXANS
SER # 6804A6255A87
ACCURACY: Spec: SEE NOTE 2
Demon:
SERVICE:
Pressurizer Pressure - To Provide SI Signal
LOCATION INSIDE CONTAINMENT
Area 5
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4501, Rev. 6
Elect 5610-E-101, Rev. 8
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

3) This is Westinghouse proprietary information. For values, reference qualification documents.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL I. SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Reactor Coolant PLANT ID NO. PT-4-455 Component: Pressure Transmitter FUNCTION: Mitigate LOCA/HELB (in & out) MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041 BCXANS Ser # 7308A5631A3 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Pressurizer Pressure - To Provide SI Signal LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-108, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) This is Westinghouse proprietary information. For values, reference qualification documents.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL. I, SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Reactor Coolant PLANT ID NO. PT-4-456 Component: Pressure Transmitter FUNCTION: Mitigate LOCA/HELB (in & out) MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041 BCXANS SER # 7304A4221A2 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Pressurizer Pressure - To Provide SI Signal LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-108, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

3) This is Westinghouse proprietary information. For values, reference qualification documents.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL. I, SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Reactor Coolant
PLANT ID NO. PT-4-457
Component:
Pressure Transmitter
FUNCTION:
Mitigate LOCA/HELB (in & out)
MANUFACTURER: Fisher & Porter
MODEL NO: 50EP1041 BCXANS
SER # 6804A6257A84
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE:
Pressurizer Pressure - To Provide SI Signal

LOCATION INSIDE CONTAINMENT

Area 11
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4501, Rev. 6
Elect 5610-E-108, Rev. 8

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR	2 HRS	22	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	11 (Table 2; P-A-8)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 3	ASSUMED	11 (Page A-6)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 3	2	20 Table 4 (Page A-4)	Sequential	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
11. W CAP 7410-VOL.I FIRL REPORT #F-C2639, NOV. 1969.
8. FISHER AND PORTER LETTER 3-6-75 WITH AMERON LAB REP. #15504 OF 3-23-72.
20. WCAP 7410-VOL. I, SECTION #4.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: LT-3-459 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER #259 ACCURACY: Spec: Demon: NOTE 3 SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-101, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes x No ___	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary document. For values refer to the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (1/2 hr.) required per PTP-FSAR Table 6.7-1 (Ref. #17) to initiate S.I. signal coincident with PRZR. low press. Lessons Learned from T.M.I. deleted S.I. signal for PRZR. level, but req'd long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

*DOCUMENT REFERENCES:

1.	POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2.	POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3.	FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12.	FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8.	AMERON CORROSION CONTROL DIV TEST.
9.	W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20.	TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17.	TURKEY POINT-FSAR TABLE 6.7.-1.
34.	ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: LT-3-460 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER #260 ACCURACY: Spec: Demon: NOTE 3 SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-101, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary document. For values refer to the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (1/2 Hr.) required per PTP-FSAR Table 6.7-1 (Ref. #17) to initiate S.I. signal coincident with PRZR. low press. Lessons Learned from T.M.I. deleted S.I. signal for PRZR. level, but req'd long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12. FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8. AMERON CORROSION CONTROL DIV TEST.
9. W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20. TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17. TURKEY POINT FSAR TABLE 6.7-1
34. ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: LT-3-461 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN AND OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER NO: 261 ACCURACY: Spec: NOTE 3 Demon: SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-101, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No ____	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary document. For values refer the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (½ hr.) required per PTP-FSAR Table6.7-1 (REF. #17) to initiate S.I. signal coincident with PRZR. Low press. Lessons Learned from I.M.I. deleted S.I. signal for PRZR. level, but required long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12. FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8. AMERON CORROSION CONTROL DIV TEST.
9. W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20. TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17. TURKEY POINT FSAR TABLE 6.7-1.
34. ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: LT-4-459 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER #241 ACCURACY: Spec: Demon: NOTE 3 SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-108, Rev. 8. Flood Level Elev: 19'-0" Above Flood Level: Yes x No ___	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary document. For values refer to the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (1/2 Hr.) required per PTP-FSAR Table 6.7-1 (Ref. #17) to initiate S.I. signal coincident with PRZR. low press. Lessons Learned from T.M.I. deleted S.I. signal for PRZR. level, but req'd long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12. FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8. AMERON CORROSION CONTROL DIV TEST.
9. W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20. TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17. TURKEY POINT FSAR TABLE 6.7-1.
34. ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: LT-4-460 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER #242 ACCURACY: Spec: Demon: SEE NOTE 3 SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-108, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes x No ___	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is a Westinghouse proprietary document. For values refer to the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (1/2 hr.) required per PTP-FSAR Table 6.7-1 (Ref. #17) to initiate S.I. signal coincident with PRZR. low press. Lessons Learned from T.M.I. deleted S.I. signal for PRZR. level, but req'd long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12. FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8. AMERON CORROSION CONTROL DIV TEST.
9. W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20. TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17. TURKEY POINT FSAR TABLE 6.7-1
34. ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO. LT-4-461 Component: LEVEL TRANSMITTER FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ITT - BARTON MODEL NO: 386/351 SER #243 ACCURACY: Spec: Demon: SEE NOTE 3 SERVICE: SAFETY INJECTION INITIATION, CONTAINMENT ISOLATION LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-108, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes x No ____	Operating Time	½ Hour SEE NOTE 4	2 Hours	17	12	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	12	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	12	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	34 & 8	Separate Test on the Protective Coating	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	20 & 9	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary document. For values refer to the documentation reference.
3) Accuracy is held an open item for resolution in Phase II.
4) Min. oper. time (1/2 hr.) required per PTP-FSAR Table 6.7-1 (Ref. #17) to initiate S.I. signal coincident with PRZR. low.press. Lessons Learned from T.M.I. deleted S.I. signal for PRZR. level, but req'd long term monitoring. Considering replacement due to possible difficulty in qualifying device for long term post LOCA operation. Will decide on the replacement by August 31, 1980.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
12. FIRL TEST REPORT F-C2667 FROM WCAP7410-L
8. AMERON CORROSION CONTROL DIV TEST.
9. W LETTER TO NRC NS-CE-1586 DATED 10-28-77.
20. TOPICAL REPORT ENVIRONMENTAL TESTING WCAP-7410-L-SECTION 4-1.
17. TURKEY POINT FSAR TABLE 6.7-1.
34. ITT-BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-412B Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 6 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	---SEE NOTE 4---	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-412D Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: SEE NOTE #2 Demon: SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 5 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-422B Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: SEE NOTE #2 Demon: SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 5 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO. : TE-3-422D Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 5 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-432B Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 6 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humidity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	- SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-3-432D
Component: RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: ROSEMOUNT

MODEL NO: 176KF

ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION

LOCATION INSIDE CONTAINMENT

Area 6
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, Rev. 6
Elect 5610-E-103, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-4-412B
Component: RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: ROSEMOUNT

MODEL NO: 176KF

ACCURACY: Spec: SEE NOTE #2
Demon:

SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, Rev. 6
Elect 5610-E-110, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
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22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-412D Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 12 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-110, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
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13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-422B Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 11 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long term operation (52 Days).
4) This is Westinghouse proprietary information. For values, reference qualification documentation.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-422D Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: ROSEMOUNT MODEL NO: 176KF ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION LOCATION INSIDE CONTAINMENT Area 11 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, Rev. 6 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

ACILITY: TURKEY POINT
NIT: 3 & 4
OCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

YSTEM: REACTOR COOLANT
LANT ID NO. : TE-4-432B
Component: RESISTANCE TEMPERATURE DETECTOR (RTD)
UNCTION: LOCA/HELB (INSIDE) MITIGATE

ANUFACTURER: ROSEMOUNT

ODEL NO: 176KF

CCURACY: Spec:
Demon: --- SEE NOTE #2

ERVICE: RCS HOT LEG $\Delta T/T_{avg}$ PROTECTION

OCATION INSIDE CONTAINMENT

rea 12
lev 14'-0"
ef Dwg No.
ch 5610-T-E-4501, Rev. 6
ect 5610-E-110, Rev. 5

lood Level Elev: 19'-0"
bove Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long term operation (52 Days).
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OCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

CILITY: TURKEY POINT
IT: 3 & 4
CKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

STEM: REACTOR COOLANT
ANT ID NO. : TE-4-432D
Component: RESISTANCE TEMPERATURE DETECTOR (RTD)
NCTION: LOCA/HELB (INSIDE) MITIGATE

NUFACTURER: ROSEMOUNT

DEL NO: 176KF

CURACY: Spec:
Demon: SEE NOTE #2

RVICE: RCS HOT LEG
$\Delta T/T_{avg}$ PROTECTION

CATION INSIDE CONTAINMENT

ea 12
ev 14'-0"
f Dwg No.
ch 5610-T-E-4501, Rev. 6
ect 5610-E-110, Rev. 5

ood Level Elev: 19'-0"
ove Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 Hour	52 Days See Note #3	22	13 (Page 5.5)	Simultaneous Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	Simultaneous Test	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	Simultaneous Test	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long term operation (52 Days).
4) This is Westinghouse proprietary information. For values, reference qualification documentation.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
13. W - WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: RCS PLANT ID NO. : MOV-3-535 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: OPERATOR-SMB-000; MOTOR-S# JV81672 INSUL. CLASS B ACCURACY: Spec: NA Demon: SERVICE: PRESSURIZER RELIEF ISOLATION VALVE LOCATION INSIDE CONTAINMENT Area 5 Elev 58' Ref Dwg No. Mech 5610-T-E-4501 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	2 Hrs.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10 & D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: RCS PLANT ID NO.: MOV-3-536 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: OPERATOR-SMB-000; MOTOR-S# HV81674 INSULATION CLASS B ACCURACY: Spec: Demon: NA SERVICE: PRESSURIZER RELIEF ISOLATION VALVE LOCATION INSIDE CONTAINMENT Area 5 Elev 58' Ref Dwg No. Mech 5610-T-E-4501 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	2 Hours	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: RCS
PLANT ID NO. : MOV-4-535
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: OPERATOR-LIMITORQUE
MOTOR-PEERLESS
MODEL NO: OPERATOR-SMB-000; MOTOR-S# P-13790
INSULATION CLASS B
ACCURACY: Spec: NA
Demon:

SERVICE: PRESSURIZER RELIEF ISOLATION VALVE

LOCATION INSIDE CONTAINMENT

Area 11
Elev 58'
Ref Dwg No.
Mech 5610-T-E-4501
Elect 5610-E-109, Rev. 5

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	2 Hours	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (P. D-20)	Simultaneous Type Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10 & D-20)	Simultaneous Type Test	NONE
Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: RCS PLANT ID NO.: MOV-4-536 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR - PEERLESS MODEL NO: OPERATOR-SMB-000; MOTOR-S# P-13790 ACCURACY: Spec: NA Demon: SERVICE: PRESSURIZER RELIEF ISOLATION VALVE LOCATION INSIDE CONTAINMENT Area 11 Elev 58' Ref Dwg No. Mech 5610-T-E-4501 Elect 5610-E-109, Rev. 5 Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	2 Hrs.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10 & D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-410 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS COLD LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 5 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-413 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: RCS HOT LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 6 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-3-420
Component:
RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION:
LOCA/HELB (INSIDE) POST ACCIDENT MON.
MANUFACTURER: ROSEMOUNT
MODEL NO: 176 KS
ACCURACY: Spec:
Demon: SEE NOTE 2
SERVICE: RCS COLD LEG TEMP. TO RECORDER
LOCATION INSIDE CONTAINMENT
Area 5
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, REV. 6
Elect 5610-E-100, Rev. 7
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
4) This is Westinghouse proprietary information. For values reference qualification documentation.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-423 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS HOT LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 5 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-430 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS COLD LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 6 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-3-433 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS HOT LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 6 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-103, REV. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-4-410
Component:
RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION:
LOCA/HELB (INSIDE) POST ACCIDENT MON.

MANUFACTURER: ROSEMOUNT

MODEL NO: 176 KS

ACCURACY: Spec:
Demon: SEE NOTE 2

SERVICE: RCS COLD LEG TEMP. TO RECORDER

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, REV. 6
Elect 5610-E-110, REV. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) Tests done at levels higher than post accident environment to simulate long-term operation (52 days).
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-413 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: RCS HOT LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 12 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-110, REV. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-420 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS COLD LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 11 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-107, REV. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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*DOCUMENT REFERENCES:

1.	POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2.	POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3.	FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22.	ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13.	W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT PLANT ID NO.: TE-4-423 Component: RESISTANCE TEMPERATURE DETECTOR (RTD) FUNCTION: LOCA/HELB (INSIDE) POST ACCIDENT MON. MANUFACTURER: ROSEMOUNT MODEL NO: 176 KS ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: RCS HOT LEG TEMP. TO RECORDER LOCATION INSIDE CONTAINMENT Area 11 Elev 14'-0" Ref Dwg No. Mech 5610-T-E-4501, REV. 6 Elect 5610-E-107, REV. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Temperature (^{o}F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-4-430
Component:
RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION:
LOCA/HELB (INSIDE) POST ACCIDENT MON.

MANUFACTURER: ROSEMOUNT

MODEL NO: 176 KS

ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: RCS COLD LEG TEMP. TO RECORDER

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, REV. 6
Elect 5610-E-110, REV. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: REACTOR COOLANT
PLANT ID NO.: TE-4-433
Component:
RESISTANCE TEMPERATURE DETECTOR (RTD)
FUNCTION:
LOCA/HELB (INSIDE) POST ACCIDENT MON.
MANUFACTURER: ROSEMOUNT
MODEL NO: 176 KS
ACCURACY: Spec: / Demon: SEE NOTE 2
SERVICE: RCS HOT LEG TEMP. TO RECORDER
LOCATION INSIDE CONTAINMENT
Area 12
Elev 14'-0"
Ref Dwg No.
Mech 5610-T-E-4501, REV. 6
Elect 5610-E-
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	52 DAYS SEE NOTE #3	22	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 4	1	13 (Page 5.5)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 4	1	13 (Page 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE 4	ASSUMED	13	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	13 (Page 5.1)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 4	2	13 (Page A-3)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
13. W-WCAP 9157.

SECTION C2-2

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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2-2	---	LIMIT SWITCHES ASSOC. WITH CV-3-310A			
2-3	SV-3-310B	SOLENOID VALVE			
2-4	---	LIMIT SWITCHES ASSOC. WITH CV-3-310B			
2-5	SV-4-310A	SOLENOID VALVE			
2-6	---	LIMIT SWITCHES ASSOC. WITH CV-4-310A			
2-7	SV-4-310B	SOLENOID VALVE			
2-8	---	LIMIT SWITCHES ASSOC. WITH CV-4-310B			
2-9	SV-3-200A	SOLENOID VALVE			
2-10	---	LIMIT SWITCHES ASSOC. WITH CV-3-200A			
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2-19	SV-4-200C	SOLENOID VALVE			
2-20	---	LIMIT SWITCHES ASSOC. WITH CV-4-200C			

SECTION C2-2

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION
WORK SHEETS

SYSTEM: CHEMICAL & VOLUME CONTROL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
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2-22	---	LIMIT SWITCHES ASSOC. WITH HCV-3-121			
2-23	---	ELECTRO-PNEUMATIC TRANSDUCER WITH HCV-4-121			
2-24	---	LIMIT SWITCHES ASSOC. WITH HCV-4-121			
2-25	SV-100	SOLENOID VALVE ASSOC. WITH TCV-100			
2-26	TIC-100	TEMPERATURE INDICATING CONTROLLER			
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SECTION C2-2

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX
TO COMPONENT EVALUATION
WORK SHEETS

SYSTEM: CHEMICAL & VOLUME CONTROL

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SECTION C2-2

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: CHEMICAL & VOLUME CONTROL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
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FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-3-310A Component: SOLENOID VALVE FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: 831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: REACTOR COOLING SYS. CHARGING LINE LOCATION INSIDE CONTAINMENT Area 5 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	190 HOURS	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

PAGE 2-2
Rev. 0

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-310A)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION
ASSOCIATED WITH SV-3-310A

LOCATION INSIDE CONTAINMENT

Area 5
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-100 (Rev. 7)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 DAYS	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (Will Be Addressed in PH. II Response)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-3-310B Component: SOLENOID VALVE FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: 831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: REACTOR COOLING SYS. CHARGING LINE LOCATION INSIDE CONTAINMENT Area 5 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	190 HOURS	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

Rev. 0

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-310B)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION
ASSOCIATED WITH SV-3-310B

LOCATION INSIDE CONTAINMENT

Area 5
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-100 (Rev. 7)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 DAYS	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH.II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-4-310A Component: SOLENOID VALVE FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: 831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: REACTOR COOLING SYS. CHARGING LINE LOCATION INSIDE CONTAINMENT Area 11 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	190 HOURS	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (^{o}F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-4-310A)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION
ASSOCIATED WITH SV-4-310A

LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-107 (Rev. 5)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 DAYS	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. SV-4-310B
Component: SOLENOID VALVE
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE
MANUFACTURER: AUTOMATIC SWITCH COMPANY
MODEL NO: 831654
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: REACTOR COOLING SYS. CHARGING LINE
LOCATION INSIDE CONTAINMENT
Area 11
Elev 14
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-107, Rev. 6
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	NONE	22	NONE	NONE	SEE NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-4-310B)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION ASSOCIATED WITH SV-4-310B

LOCATION. INSIDE CONTAINMENT

Area 11
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-107 (Rev. 5)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 DAYS	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (^{o}F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-3-200A Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: LB831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS LETDOWN ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CVCS PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-200A) Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAMCO MODEL NO: LIM. SW. 1-D2400X LIM. SW. 2-D2400X ACCURACY: Spec: N/A Demon: N/A SERVICE: POSITION INDICATION ASSOCIATED WITH SV-3- 200A LOCATION INSIDE CONTAINMENT Area 5 Elev 14' Ref Dwg No. Mech N/A Elect 5610-E-100 (Rev. 7) Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-3-200B Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: LB831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS LETDOWN ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (^{O}F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CVCS PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-200B) Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAMCO MODEL NO: LIM. SW. 1-D2400X LIM. SW. 2-D2400X ACCURACY: Spec: N/A Demon: N/A SERVICE: POSITION INDICATION ASSOCIATED WITH SV-3-200B LOCATION INSIDE CONTAINMENT Area 5 Elev 14' Ref Dwg No. Mech N/A Elect 5610-E-100 (Rev. 7) Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-3-200C Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: LB831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS LETDOWN ISOLATION LOCATION INSIDE CONTAINMENT Area 5 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-200C)
Component: 2 LIMIT SWITCHES
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE
MANUFACTURER: NAMCO
MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: POSITION INDICATION ASSOCIATED WITH SV-3-200C
LOCATION INSIDE CONTAINMENT
Area 5
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-100 (Rev. 7)
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-4-200A Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: LB831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS LETDOWN ISOLATION LOCATION INSIDE CONTAINMENT Area 11 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-M-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. No Tag. No. (Assoc. w/ CV-4-200A)
Component: 2 LIMIT SWITCHES
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE
MANUFACTURER: NAMCO
MODEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: POSITION INDICATION ASSOCIATED WITH SV-4-200A
LOCATION INSIDE CONTAINMENT
Area 11
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-107 (Rev. 5)
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. SV-4-200B
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: LB831654

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RCS LETDOWN ISOLATION

LOCATION INSIDE CONTAINMENT

Area 11
Elev 14
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-107, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

Y: TURKEY POINT
3 & 4
50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

CVCS
D NO. No Tag. No. (Assoc. w/ CV-4-200B)
onent: 2 LIMIT SWITCHES
N: LOCA/HELB (IN & OUT)
MITIGATE
TURER: NAMCO
D: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
: Spec: N/A
Demon: N/A
POSITION INDICATION
ASSOCIATED WITH SV-4-200B
INSIDE CONTAINMENT.
11
14'
No.
N/A
5610-E-107 (Rev. 5)
yel Elev: 19'-0"
ood Level:
es ______
o ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

T REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-4-200C Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: LB851654 ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS LETDOWN ISOLATION LOCATION INSIDE CONTAINMENT Area 11 Elev 14 Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

ILITY: TURKEY POINT
IT: 3 & 4
KET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

STEM: CVCS
ENT ID NO. No Tag. No. (Assoc. w/ CV-4-200C)
Component: 2 LIMIT SWITCHES
CTION: LOCA/HELB (IN & OUT)
MITIGATE
NUFACTURER: NAMCO
DEL NO: LIM. SW. 1-D2400X
LIM. SW. 2-D2400X
CURACY: Spec: N/A
Demon: N/A
RVICE: POSITION INDICATION
ASSOCIATED WITH SV-4-200C
CATION INSIDE CONTAINMENT
ea 11
lev 14'
f Dwg No.
ch N/A
ect 5610-E-107 (Rev. 5)
od Level Elev: 19'-0"
ve Flood Level:
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

CUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM
PLANT ID NO. N/A
Component: ELECTRO PNEUMATIC TRANSDUCER
FUNCTION: MITIGATE LOCA
MANUFACTURER: FISHER GOVERNOR CO.
MODEL NO: TYPE 546
SERIAL 6140876
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: CONTROL FOR HCV-3-121
LOCATION PIPE & VAVLE ROOM 3'-0" ABOVE FLOOR
Area 9
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-T-E-4505 REV.5
Elect 5610-E-115 REV. 10
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^5$ RADS	NONE	4	NONE	NONE	NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research of qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. ASSOCIATED WITH HCV-3-121
Component: 2 LIMIT SWITCHES
FUNCTION:
LOCA
MITIGATE
MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO)
MODEL NO: LIMIT SW#1-D2400X
LIMIT SW#2-D2400X
ACCURACY: Spec: N/A
Demon: N/A
SERVICE:
LETDOWN CHARGING
VLV POSITIONS
LOCATION PIPE & VLV RM.
4'-0" & 4'-3" ABOVE FLOOR
Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115, Rev. 10
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
Radiation	5.0×10^4 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESS IN PHASE II RESPONSE).
2. TEMP., PRESS. & HUMIDITY INSIDE THE AUXILIARY BUILDING ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE CONTAINMENT ANY MORE THAN DURING THE NORMAL SHUTDOWN MODE OF OPERATION.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM PLANT ID NO. N/A Component: ELECTRO PNEUMATIC TRANSDUCER FUNCTION: MITIGATE LOCA MANUFACTURER: FISHER GOVERNOR CO. MODEL NO: TYPE 546 SERIAL 4452693 ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTROL FOR HCV-4-121 LOCATION PIPE & VALVE ROOM 2'-9" ABOVE FLOOR Area 13 Elev 18' (FLOOR) Ref Dwg No. Mech : 5610-T-E-4505 REV. 5 Elect 5610-E-123 REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research of qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. ASSOCIATED WITH HCV-4-121
Component: 2 LIMIT SWITCHES

FUNCTION:
LOCA
MITIGATE
MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO)

MODEL NO: LIMIT SW#1-D2400G
LIMIT SW#2-D2400G
ACCURACY: Spec: N/A
Demon: N/A

SERVICE:
LETDOWN CHARGING
VLV POSITIONS
LOCATION. PIPE & VLV RM.
3'-9" & 4'-0" ABOVE FLOOR
Area 13
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
Radiation	5.0×10^4 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESS IN PHASE II RESPONSE).
2. TEMP., PRESS. & HUMIDITY INSIDE THE AUXILIARY BUILDING ARE NOT CONSIDERED SIGNIFICANT PARAMETERS FOR EVALUATION. THESE ARE NOT AFFECTED BY THE ACCIDENT CONDITION INSIDE CONTAINMENT ANY MORE THAN DURING THE NORMAL SHUTDOWN MODE OF OPERATION.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification - Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. SV-100 Component: Solenoid Valve Assoc. w/TCV-100 FUNCTION: MITIGATE LOCA MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 16474A CAT. No. LB831654 ACCURACY: Spec: N/A Demon: N/A SERVICE: Steam to Boric Acid Batching Tank LOCATION : BORIC ACID RM 3'-1" ABOVE FLOOR Area 7 Elev 18 FT (floor) Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-117 (REV 6) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 Hrs.	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	None
	Pressure (PSIA)	See Note 2	N/A	See Note 2	N/A	N/A	None
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	None
	Chemical Spray	N/A	N/A	---	N/A	N/A	None
	Radiation	5.0X10^4 RADS	1 X 10^6 RADS	4	48	Engineering Analysis	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL & VOLUME CONTROL SYSTEM PLANT ID NO. TIC-100 Component: TEMPERATURE INDICATOR CONTROLLER FUNCTION: MITIGATE LOCA MANUFACTURER: FOXBORO MODEL NO: 40N S #2019850 ACCURACY: Spec: NOTE Demon: 3 SERVICE: CONTROL FOR SOLENOID SV-100 LOCATION: BORIC ACID ROOM 4'-0" ABOVE FLOOR Area 7 Elev 18' (FLOOR) Ref Dwg No. Mech : 5610-T-E-4505, Rev. 5 Elect 5610-E-117, Rev. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	190 HRS.	NONE	22	NONE	NONE	NOTE 4
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5×10^4 RADS	NONE	4	NONE	NONE	NOTE 4
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment, anymore than during the normal shutdown mode of operation.
3. Accuracy is held as an open item for resolution in Phase II.
4. Research of qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. LC-101
Component: LEVEL CONTROLLER

FUNCTION: LOCA MITIGATE

MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY

MODEL NO: J7-222-A108

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MEASURES LEVEL OF BATCHING TANK

LOCATION : BORIC ACID BATCHING TANK ROOM
5'-1" ABOVE FLOOR
Area 7
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-117, REV. 9

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification			
Operating Time	190 HRS.	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5 x 10^4 RADS	1 x 10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. FT-3-110 Component: FLOW TRANSMITTER FUNCTION: MONITOR LOCA MANUFACTURER: FOXBORO MODEL NO: 1802-SATS-BA-304 S# 2223245 ACCURACY: Spec: Demon: NOTE 3 SERVICE: FLOW FROM TRANSFER PUMPS TO CHARGING PUMP SUCTION LOCATION CHARGING PUMP ROOM 3'-4" ABOVE FLOOR Area 10 Elev 18' (FLOOR) Ref Dwg No. Mech : 5610-T-E-4505 REV. 5 Elect 5610-E-127 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 4
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	NONE	4	NONE	NONE	NOTE 4
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II.
4) Research on qualification data in process will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. FT-4-110
Component: FLOW TRANSMITTER
FUNCTION: MONITOR LOCA
MANUFACTURER: FOXBORO
MODEL NO: TYPE 2802-SABB-TS
S# 2575060
ACCURACY: Spec: NOTE 3
Demon:
SERVICE: FLOW FROM TRANSFER PUMPS TO CHARGING PUMP SUCTION
LOCATION CHARGING PUMP ROOM
3'-0" ABOVE FLOOR
Area 14
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-T-E-4505 REV. 5
Elect 5610-E-124 REV. 12
Flood Level Elev: N/A
Above Flood Level: N/A
Yes
No

	ENVIRONMENT		DOCUMENT REFERENCE*			
Parameter	Specification	Qualification	Specification	Qualification	Qualification Method	Outstanding Items
Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 4
Temperature (^{o}F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^5$ RADS	NONE	4	NONE	NONE	NOTE 4
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II.
4) Research on qualification data in process will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3-P201A (3P201A) Component: CHARGING PUMP MOTOR FUNCTION: LOCA (INSIDE) MITIGATE MANUFACTURER: WESTINGHOUSE MODEL NO./SER NO. TBDP/67C69215 ACCURACY: Spec: N/A Demon: SERVICE: OPERATE CHARGING PUMP LOCATION CHARGING PUMP ROOM Area 10 Elev 18'-0" Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HRS	> 31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$2x10^8$ RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3N201A Component: LOCAL CONTROL STATION FUNCTION: Mitigate LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton # 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P201A LOCATION CHARGING PUMP ROOM 51" ABOVE SLAB Area 10 Elev 18' slab Ref Dwg No. Mech: N/A Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 days	See Note 3	38	Engineeriang Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating time of associated motor.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. PS-3-201A Component: PRESSURE SWITCH ASSOC. WITH 3-P201A FUNCTION: LOCA MITIGATE MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY MODEL NO: J6-9536 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL LOCATION CHARGING PUMP ROOM 4'-6" ABOVE FLOOR Area 10 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-127 Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$3x10^7$ RADS	4	46	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3-P201B (3P201B) Component: CHARGING PUMP MOTOR FUNCTION: LOCA (INSIDE) MITIGATE MANUFACTURER: WESTINGHOUSE MODEL NO./SER NO. TBDP/67C69215 ACCURACY: Spec: Demon: N/A SERVICE: OPERATE CHARGING PUMP LOCATION CHARGING PUMP ROOM Area 10 Elev 18'-0" Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HRS	> 31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$2x10^8$ RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3N201B Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P201B LOCATION Charging pump room 51" above floor Area 10 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. PS-3-201B Component: PRESSURE SWITCH FUNCTION: LOCA MITIGATE MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY MODEL NO: J6-9536 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL LOCATION: CHARGING PUMP ROOM 4'-6" ABOVE FLOOR Area 10 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-127 Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$3x10^7$ RADS	4	46	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3-P201C (3P201C) Component: CHARGING PUMP MOTOR FUNCTION: LOCA (INSIDE) MITIGATE MANUFACTURER: WESTINGHOUSE MODEL NO./SER NO. TBDP/67C69215 ACCURACY: Spec: N/A Demon: SERVICE: OPERATE CHARGING PUMP LOCATION CHARGING PUMP ROOM Area 10 Elev 18'-0" Ref. Dwg No. Mech 5610-T-E-4505 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HRS	> 31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$2x10^8$ RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:

4.	POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47.	ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22.	ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 3N201C Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton # 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P201C LOCATION CHARGING PUMP ROOM 51" above floor Area 10 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINEMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. PS-3-201C
Component: PRESSURE SWITCH
FUNCTION: LOCA MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J6-9536
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL
LOCATION: CHARGING PUMP ROOM 4'-6" ABOVE FLOOR
Area 10
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-127 Rev. 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^5$ RADS	$3x10^7$ RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 4-P201A (4P201A) Component: CHARGING PUMP MOTOR FUNCTION: LOCA (INSIDE) MITIGATE ANUFACTURER: WESTINGHOUSE ODEL NO./SER NO. TBDP/67C69215 ACCURACY: Spec: N/A Demon: SERVICE: OPERATE CHARGING PUMP LOCATION CHARGING PUMP ROOM Area 14 Elev 18'-0" Ref Dwg No. Mech 5610-T-E-4505 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A bove Flood Level: N/A Yes ____ No ____	Operating Time	190 HRS	> 31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^5$ RADS	$2x10^8$ RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 4N201A Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P201A LOCATION Charging pump room 4'-5" above floor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. PS-4-201A
Component: PRESSURE SWITCH

FUNCTION: LOCA MITIGATE

MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY

MODEL NO: J6-9536

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL

LOCATION CHARGING PUMP ROOM
4'-6" ABOVE FLOOR
Area 14
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-124 Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification			
Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	3×10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. 4-P201B (4P201B)
Component: CHARGING PUMP MOTOR

FUNCTION: LOCA (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER NO. TBDP/67C69215

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: OPERATE CHARGING PUMP

LOCATION CHARGING PUMP ROOM

Area 14
Elev. 18'-0"
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 4N201B Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P201B LOCATION Charging pump room 4'-5" abovefloor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. PS-4-201B
Component: PRESSURE SWITCH
FUNCTION: LOCA MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J6-9536
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL
LOCATION: CHARGING PUMP ROOM
4'-6" ABOVE FLOOR
Area 14
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-124 Rev. 12
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^5$ RADS	$3x10^7$ RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE. SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. 4-P201C (4P201C)
Component: CHARGING PUMP MOTOR

FUNCTION: LOCA (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER NO. TBDP/67C69215

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE CHARGING PUMP

LOCATION CHARGING PUMP ROOM

Area 14
Elev. 18'-0"
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS	31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT, anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE. WEST. WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 4N201C Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P201C LOCATION Charging Pump room 4'-5" above floor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE.
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. PS-4-201C
Component: PRESSURE SWITCH
FUNCTION: LOCA MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J6-9536
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE INTERLOCK IN THE CHARGING PUMP CONTROL
LOCATION: CHARGING PUMP ROOM 4'-6" ABOVE FLOOR
Area 14
Elev 18'
Ref Dwg No.
Mech : N/A
Elect 5610-E-124 Rev. 12
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^5$ RADS	$3x10^7$ RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE & LEVEL CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VOLUME CONTROL SYSTEM
PLANT ID NO. 3-P203A
Component: MOTOR FOR BORIC ACID TRANSFER PUMP

FUNCTION: MITIGATE LOCA

MANUFACTURER: CHEM PUMP

MODEL NO: 2GE 66200

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MOTOR FOR BORIC ACID TRANSFER PUMP

LOCATION BORIC ACID ROOM
8" ABOVE FLOOR
Area 7
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-T-E-4505 REV. 5
Elect 5610-E-117 REV. 9

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^4$ RADS	NONE	4	NONE	NONE	NOTE 3
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. 3N203A
Component: LOCAL CONTROL STATION

FUNCTION: MITIGATE LOCA

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: Pushbutton #2284

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR 3P203A

LOCATION Boric Acid Rm 52" above floor

Area 7
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-117 REV 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5X10^4$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VOLUME CONTROL SYSTEM
PLANT ID NO. 3-P203B
Component: MOTOR FOR BORIC ACID TRANSFER PUMP

FUNCTION: MITIGATE LOCA

MANUFACTURER: CHEM PUMP

MODEL NO: 2CE 66202

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MOTOR FOR BORIC ACID TRANSFER PUMP

LOCATION BORIC ACID ROOM
8" ABOVE FLOOR
Area 7
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-T-E-4505 REV. 5
Elect 5610-E-117 REV. 9

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$5x10^4$ RADS	NONE	4	NONE	NONE	NOTE 3
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CVCS PLANT ID NO. 3N203B Component: LOCAL CONTROL STATION FUNCTION MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton 2284 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P203B LOCATION Boric Acid Rm 53" above floor Area 7 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-117 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^4$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VOLUME CONTROL SYSTEM PLANT ID NO. 4-P203A Component: MOTOR FOR BORIC ACID TRANSFER PUMP FUNCTION: MITIGATE LOCA MANUFACTURER: CHEM PUMP MODEL NO: 2CE 66200 ACCURACY: Spec: N/A Demon: N/A SERVICE: MOTOR FOR BORIC ACID TRANSFER PUMP LOCATION BORIC ACID ROOM 8" ABOVE FLOOR Area 7 Elev 18' (FLOOR) Ref Dwg No. Mech : 5610-T-E-4505 REV. 5 Elect 5610-E-117 REV. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5x10^4$ RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CVCS PLANT ID NO. 4N203A Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton 2284 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P203A LOCATION Boric Acid Rm 53" above floor Area 7 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-117 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^4$ Rads	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VOLUME CONTROL SYSTEM PLANT ID NO. 4-P203B Component: MOTOR FOR BORIC ACID TRANSFER PUMP FUNCTION: MITIGATE LOCA MANUFACTURER: CHEM PUMP MODEL NO: SK182AL5C FRAME # 182T STOCK # K-149 ACCURACY: Spec: N/A Demon: N/A SERVICE: MOTOR FOR BORIC ACID TRANSFER PUMP LOCATION BORIC ACID ROOM 8" ABOVE FLOOR Area 7 Elev 18' (FLOOR) Ref Dwg No. Mech : 5610-T-E-4505 REV. 5 Elect 5610-E-117 REV. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	190 HOURS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5x10^4 RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. 4N203B Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton 2284 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P203B LOCATION Boric Acid Rm 52" above floor Area 7 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-117 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^4$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CVCS
PLANT ID NO. T206
Component: BORIC ACID BATCH TANK MIXER

FUNCTION: MITIGATE LOCA

MANUFACTURER: DAYTON

MODEL NO: S# 3N087E
REF. 1267512E-H763 FRAME-F56C
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MOTOR FOR BORIC ACID BATCH TANK MIXER

LOCATION BORIC ACID RM 32" ABOVE PLATFORM

Area 7
Elev 20' 1/4" (PLATFORM)
Ref Dwg No.
Mech : 5610-T-E-4503 Rev. 5
Elect 5610-E-117 Rev. 9

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS	NONE	22	NONE	NONE	NOTE 3
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^4 Rads	NONE	4	NONE	NONE	NOTE 3
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress will be addressed in Phase II response.
4) Post-LOCA radiation outside containment - mathematical analysis.
22) Analysis of operating time for devices covered in IE Bulletin 79-01B Master List.

*DOCUMENT REFERENCES:

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. N206 Component: LOCAL CONTROL STATION FUNCTION: MITIGATE LOCA MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton 2284 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR T206 LOCATION Boric Acid Rm 4'-0" above Platform Area 7 Elev 26 (PLAT) Ref Dwg No. Mech: N/A Elect 5610-E-117 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$5X10^4$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. MOV-3-350
Component: VALVE MOTOR OPERATOR
FUNCTION: MITIGATE LOCA

MANUFACTURER: Operator: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-000
Operator: S#101976 Motor: S#447006-94
ACCURACY: Spec: N/A Insul: Class-B
Demon: N/A

SERVICE: EMERGENCY BORATION

LOCATION CHG. PUMP ROOM 56" ABOVE FLOOR

Area 10
Elev 18 FT. (Floor)
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method.	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HOURS	16 DAYS	22	43 Page 10	Simultaneous Test	NONE
Temperature (°F)	SEE NOTE 2	250°F.	See Note 2	43 Page 10	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	25 PSIG	See Note 2	43 Page 10	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	100%	See Note 2	43(Pg. 5 & 7)	Simultaneous Test	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2.04×10^8 RADS	4	43 Pg.2 & APP. II	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE ---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE ---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM
PLANT ID NO. MOV-4-350
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-000
Operator: S#101672 Motor: 447006-GL1
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: EMERGENCY BORATION

LOCATION CHARGING PUMP ROOM 1'-6" ABOVE FLOOR

Area 14
Elev 18 Feet (Floor)
Ref Dwg No.
Mech 5610-T-E-4505
Elect 5610-E-124, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 Hours	16 Days	22	43 Page 10	Simultaneous Test	NONE
Temperature (°F)	SEE NOTE 2	250°F.	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (Pg. 5 & 7)	Simultaneous Test	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2.04×10^8 RADS	4	43 Pg.2 & App. II	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. FT-3-122 Component: Flow Transmitter FUNCTION: LOCA MONITOR MANUFACTURER: Fisher & Porter MODEL NO: 10B2496PB Ser. No. 6804A6257A3 ACCURACY: Spec: See Note #3 Demon: See Note #3 SERVICE: CHARGING PUMP DISCHARGE FLOW LOCATION: PIPE AND VALVE ROOM 3'-10" ABOVE FLOOR Area 9 Elev 18 ft (Floor) Ref Dwg No. Mech 5610-T-E-4505, Shts. 1 and 2 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	190 HRS.	>190 HOURS (see note 2)	22	5	Test on Similar Device	None
	Temperature (°F)	See Note 4	See Note 5	---	13 (fig 5.2)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	---	13 (para 5.2)	Simultaneous Test	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix 'A')	Test on similar device	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) Operating time relates to radiation only.
3) Accuracy is held as an open item for resolution in Phase II.
4) Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment, anymore than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. FISHER & PORTER REPORT #DP2224-1, RPT. #002 WITH FIRL TEST REPORT F-C2815, MAY 1970.
13. WESTINGHOUSE WCAP-9157
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CHEMICAL VOLUME CONTROL SYSTEM PLANT ID NO. FT-4-122 Component: Flow Transmitter FUNCTION: LOCA MONITOR MANUFACTURER: Fisher & Porter MODEL NO: 10B2496PB Ser. No. 6804A6257A6 ACCURACY: Spec: See Note #3 Demon: See Note #3 SERVICE: CHARGING PUMP DISCHARGE FLOW LOCATION: PIPE AND VALVE ROOM 3'-10" ABOVE FLOOR Area 13 Elev 18 ft (Floor) Ref Dwg No. Mech 5610-T-E-4505, Shts. 1 and 2 Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	190 HRS	>190 HOURS (see note 2)	22	5	Test on Similar Device	None
	Temperature (°F)	See Note 4	See Note 5	---	13 (fig 5.2)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	---	13 (para 5.2)	Simultaneous Test	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix 'A')	Test on similar device	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Operating time relates to radiation only.
3) Accuracy is held as an open item for resolution in Phase II.
4) Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment, anymore than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. FISHER & PORTER REPORT #DP2224-1, RPT. #002 WITH FIRL TEST REPORT F-C2815, MAY 1970.
13. WESTINGHOUSE WCAP-9157
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

SECTION C2-3

FACILITY: TURKEY POINT
UNIT: 3 & 4

INDEX
TO COMPONENT EVALUATION
WORK SHEETS

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
3-1	PT-3-940	PRESSURE TRANSMITTER	0	5/2/80	
3-2	PT-4-940	PRESSURE TRANSMITTER			
3-3	PT-3-943	PRESSURE TRANSMITTER			
3-4	PT-4-943	PRESSURE TRANSMITTER			
3-5	FT-3-940	FLOW TRANSMITTER			
3-6	FT-3-943	FLOW TRANSMITTER			
3-7	FT-4-940	FLOW TRANSMITTER			
3-8	FT-4-943	FLOW TRANSMITTER			
3-9	FT-3-932	FLOW TRANSMITTER			
3-10	FT-3-933	FLOW TRANSMITTER			
3-11	FT-4-932	FLOW TRANSMITTER			
3-12	FT-4-933	FLOW TRANSMITTER			
3-13	FT-3-605	FLOW TRANSMITTER			
3-14	FT-4-605	FLOW TRANSMITTER			
3-15	P-4-214A	CONTAINMENT SPRAY PUMP			
3-16	P-4-214B	CONTAINMENT SPRAY PUMP			
3-17	P-3-210A	RESIDUAL HEAT REMOVAL PUMP			
3-18	P-3-210B	RESUDUAL HEAT REMOVAL PUMP			
3-19	P-4-210A	RESIDUAL HEAT REMOVAL PUMP			
3-20	P-4-210B	RESIDUAL HEAT REMOVAL PUMP			

SECTION C2-3

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
3-21	MOV-3-744A	VALVE MOTOR OPERATOR	0	5/2/80	
3-22	MOV-4-744A	VALVE MOTOR OPERATOR			
3-23	MOV-3-744B	VALVE MOTOR OPERATOR			
3-24	MOV-4-744B	VALVE MOTOR OPERATOR			
3-25	MOV-3-750	VALVE MOTOR OPERATOR			
3-26	MOV-4-750	VALVE MOTOR OPERATOR.			
3-27	MOV-3-751	VALVE MOTOR OPERATOR			
3-28	MOV-4-751	VALVE MOTOR OPERATOR			
3-29	MOV-3-843A	VALVE MOTOR OPERATOR			
3-30	MOV-3-843B	VALVE MOTOR OPERATOR			
3-31	MOV-4-843A	VALVE MOTOR OPERATOR			
3-32	MOV-4-843B	VALVE MOTOR OPERATOR			
3-33	3P215A	SAFETY INJECTION PUMP			
3-34	3P215B	SAFETY INJECTION PUMP			
3-35	4P215A	SAFETY INJECTION PUMP			
3-36	4P215B	SAFETY INJECTION PUMP			
3-37	P-3-214A	CONTAINMENT SPRAY PUMP			
3-38	P-3-214B	CONTAINMENT SPRAY PUMP			
3-39	MOV-3-860A	VALVE MOTOR OPERATOR			
3-40	MOV-3-860B	VALVE MOTOR OPERATOR			

SECTION C2-3

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
3-41	MOV-4-860A	VALVE MOTOR OPERATOR	0	5/2/80	
3-42	MOV-4-860B	VALVE MOTOR OPERATOR			
3-43	MOV-3-863A	VALVE MOTOR OPERATOR			
3-44	MOV-3-863B	VALVE MOTOR OPERATOR			
3-45	MOV-4-863A	VALVE MOTOR OPERATOR			
3-46	MOV-4-863B	VALVE MOTOR OPERATOR			
3-47	MOV-3-866A	VALVE MOTOR OPERATOR			
3-48	MOV-3-866B	VALVE MOTOR OPERATOR			
3-49	MOV-4-866A	VALVE MOTOR OPERATOR			
3-50	MOV-4-866B	VALVE MOTOR OPERATOR			
3-51	MOV-3-867A	VALVE MOTOR OPERATOR			
3-52	MOV-3-867B	VALVE MOTOR OPERATOR			
3-53	MOV-4-867A	VALVE MOTOR OPERATOR			
3-54	MOV-4-867B	VALVE MOTOR OPERATOR			
3-55	MOV-878A	VALVE MOTOR OPERATOR			
3-56	MOV-878B	VALVE MOTOR OPERATOR			
3-57	MOV-3-880A	VALVE MOTOR OPERATOR			
3-58	MOV-3-880B	VALVE MOTOR OPERATOR			
3-59	MOV-4-880A	VALVE MOTOR OPERATOR			
3-60	MOV-4-880B	VALVE MOTOR OPERATOR	↓	↓	

SECTION C2-3

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
3-61	MOV-3-869	VALVE MOTOR OPERATOR	0	5/2/80	
3-62	MOV-4-869	VALVE MOTOR OPERATOR			
3-63	MOV-3-872	VALVE MOTOR OPERATOR			
3-64	MOV-4-872	VALVE MOTOR OPERATOR			
3-65	PC-3-600	PRESSURE CONTROLLER			
3-66	PC-3-601	PRESSURE CONTROLLER			
3-67	PC-4-600	PRESSURE CONTROLLER			
3-68	PC-4-601	PRESSURE CONTROLLER			
3-69	PC-957A	PRESSURE CONTROLLER			
3-70	PC-957B	PRESSURE CONTROLLER			
3-71	PC-957C	PRESSURE CONTROLLER			
3-72	PC-957D	PRESSURE CONTROLLER			
3-73	LS-3-1570	LEVEL SWITCH			
3-74	LS-3-1571	LEVEL SWITCH			
3-75	LS-4-1570	LEVEL SWITCH			
3-76	LS-4-1571	LEVEL SWITCH			
3-77	3N215A	LOCAL CONTROL SWITCH			
3-78	3N215B	LOCAL CONTROL SWITCH			
3-79	4N215A	LOCAL CONTROL SWITCH			
3-80	4N215B	LOCAL CONTROL SWITCH			

SECTION C2-3

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: SAFETY INJECTION & RESIDUAL HEAT REMOVAL

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
3-81	3N214A	LOCAL CONTROL STATION	0	5/2/80	
3-82	3N214B	LOCAL CONTROL STATION			
3-83	4N214A	LOCAL CONTROL STATION			
3-84	4N214B	LOCAL CONTROL STATION			
3-85	3N210A	LOCAL CONTROL STATION			
3-86	3N210B	LOCAL CONTROL STATION			
3-87	4N210A	LOCAL CONTROL STATION			
3-88	4N210B	LOCAL CONTROL STATION			

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification - Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. PT-3-940 Component: Pressure Transmitter FUNCTION: LOCA/HELB (inside) Monitor MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041BCXANS Ser. No. 6804A6255A31 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Monitor SI Press LOCATION SI PUMP RM 49" above floor Area 10 Elev 18 ft Ref Dwg No. Mech 5610-T-E-4501, SN, 1&2 Elect 5610-E-127, REV.7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	> 31 DAYS (see note 3)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	-	11 (page A-6)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	N/A	8	Qual. Test for paint by Ameron	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix "A")	Test on Similar device	None
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) Accuracy is held as an open item for resolution in Phase II.
3) This operating time relates to radiation only.
4) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Refer qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT-MATHEMATICAL ANALYSIS.
5. F.P. REPORT #DP 2224-1, RPT# 002 WITH FIRL TEST REP F-C2815 MAY 1970.
8. FISHER & PORTER LETTER 3/6/75 WITH AMERON LAB REP #1550A OF 3/23/72.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639, NOV. 1969.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT·EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. PT-4-940
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (inside) Monitor

MANUFACTURER: Fisher & Porter

MODEL NO: 50EP1041BCXANS
Ser. No. 6804A6257A81
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: Monitor SI Press

LOCATION SI PUMP RM
3'-1" above floor
Area 10
Elev. 18 ft.
Ref Dwg No.
Mech 5610-T-E-4501,SH, 1&2
Elect 5610-E-127,REV.7

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 days	>31 DAYS (see note 3)	22	5	TEST ON SIMILAR DEVICE	None
Temperature (°F)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
Pressure (PSIA)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
Relative Humdity (%)	See Note 4	See Note 5	-	11 (page A-6)	Simultaneous Test	None
Chemical Spray	N/A	See Note 5	N/A	8	Qual. Test for paint by Ameron	None
Radiation	7.5×10^5R	8.2×10^5R	4	5 (appendix "A")	Test on Similar device	None
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Accuracy is held as an open item for resolution in Phase II.
3) This operating time relates to radiation only.

4) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Refer qualification documentation

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. F.P. REPORT #DP 2224-1, RPT# 002 WITH FIRL TEST REP F-C2815 MAY 1970.
8. FISHER & PORTER LETTER 3/6/75 WITH AMERON LAB REP #1550A OF 3/23/72.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639, NOV. 1969.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. PT-3-943 Component: Pressure Transmitter FUNCTION: LOCA/HELB (inside) Monitor MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041BCXANS Ser. No. 6804A6255A32 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Monitor SI Press LOCATION SI PUMP RM 49" above floor Area 10 Elev. 18 ft. Ref Dwg No. Mech 5610-T-E-4501,SH, 1&2 Elect 5610-E-127,REV.7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	>31 DAYS (see note 3)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	-	11 (page A-6)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	N/A	8	Qual. Test for paint by Ameron	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix "A")	Test on Similar device	None
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) Accuracy is held as an open item for resolution in Phase II.
3) This operating time relates to radiation only.
4) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Refer qualification documentation.

*DOCUMENT REFERENCES:
1. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. F.P. REPORT #DP 2224-1, RPT# 003 WITH FIRL TEST REP F-C2815 MAY 1970.
8. FISHER & PORTER LETTER 3/6/75 WITH AMERON LAB REP #1550A OF 3/23/72.
11. W-WCAP 7410-L VOL 1 OF II FIRL REPORT F-C2639, NOV. 1969.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN 1E BULLENTIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. PT-4-943 Component: Pressure Transmitter FUNCTION: LOCA/HELB (inside) Monitor MANUFACTURER: Fisher & Porter MODEL NO: 50EP1041BCXANS Ser No. 6804A6257A29 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: Monitor SI Press LOCATION SI PUMP RM 3'-11' above floor Area 10 Elev 18 ft. Ref Dwg No. Mech 5610-T-E-4501,SN, 1&2 Elect 5610-E-127,REV.7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	> 31 DAYS (see note 3)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	-	11 (table 2 page A-8)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	-	11 (page A-6)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	N/A	8	Qual. Test for paint by Ameron	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix "A")	Test on Similar device	None
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.
3) This operating time relates to radiation only.

4) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Refer qualification documentation.

*DOCUMENT REFERENCES
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. F.P. REPORT #DP 2224-1, RPT# 002 WITH FIRL TEST REP F-C2815 MAY 1970.
8. FISHER & PORTER LETTER 3/6/75 WITH AMERON LAB REP #1550A OF 3/23/72.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639, NOV. 1969.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. FT-3-940 Component: FLOW TRANSMITTER FUNCTION: LOCA/HELB(INSIDE) MONITOR MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PB SER. NO: 6804A6255A66 ACCURACY: Spec: Demon: SEE NOTE 5 SERVICE: SAFETY INJECTION PUMP DISCHARGE FLOW LOCATION SI PUMP ROOM 50" ABOVE FLOOR Area 10 Elev. 18 FT. Ref Dwg No. Mech 5610-T-E-4501, SH. 1 & 2 Elect 5610-E-127, REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	>31 DAYS SEE NOTE 2	22	5	TEST ON SIMILAR DEVICE	NONE
	Temperature (°F)	SEE NOTE 4	SEE NOTE 3	---	13 (FIGURE 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	SEE NOTE 3	N/A	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	7.5×10^5 RADS	8.2×10^5 RADS	4	5 (APPENDIX "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NOTE REQUIRED	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time relates to radiation only.
3) This is Westinghouse proprietary information. For values refer to Qualification Document.
4) Temp., press. & humidity inside auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
5) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. FISHER AND PORTER REPORT #DP2224-1, RPT #002 WITH FIRL TEST REPORT F-C2815 MAY, 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. FT-3-943 Component: FLOW TRANSMITTER FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PB SERIAL NO.: 6804A6255A32 ACCURACY: Spec: SEE NOTE 5 Demon: SERVICE: SAFETY INJECTION PUMP DISCHARGE FLOW LOCATION: SI PUMP ROOM 49½" ABOVE FLOOR Area 10 Elev 18 FT. Ref Dwg No. Mech 5610-T-E-4501, SH. 1 & 2 Elect 5610-E-127, REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	> 31 DAYS SEE NOTE 2	22	5	TEST ON SIMILAR DEVICE	NONE
	Temperature (°F)	SEE NOTE 4	SEE NOTE 3	---	13 (FIGURE 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	SEE NOTE 3	N/A	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	7.5×10^5 RADS	8.2×10^5 RADS	4	5 (APPENDIX A)	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NOTE REQUIRED	---	---	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE 1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time relates to radiation only.
3) This is Westinghouse proprietary information. For valves refer to Qualification Document.
4) Temperature, pressure and humidity inside the auxiliaty building are not considered significant parameters for evaluation. These are not affected by the accitent condition inside the containment anymore than during the normal shutdown mode of operation.
5) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. FISHER & PORTER REPORT #DP224-1, RPT #002 WITH FIRL TEST REPORT F-C2815 MAY, 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. FT-4-940
Component: FLOW TRANSMITTER
FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: FISHER & PORTER

MODEL NO: 10B2496PB
SER. NO: 6804A6255A67
ACCURACY: Spec: / Demon: SEE NOTE 5

SERVICE: SAFETY INJECTION PUMP DISCHARGE FLOW

LOCATION SI PUMP ROOM 3'-11" ABOVE FLOOR

Area 10
Elev 18 FT.
Ref Dwg No.
Mech 5610-T-E-4501, SH. 1 & 2
Elect 5610-E-127, REV. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 DAYS	>31 DAYS SEE NOTE 2	22	5	TEST ON SIMILAR DEVICE	NONE
Temperature (°F)	SEE NOTE 4	SEE NOTE 3	---	13 (FIGURE 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	SEE NOTE 3	N/A	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	7.5×10^5 RADS	8.2×10^5 RADS	4	5 (APPENDIX "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time relates toradiation only.
3) This is Westinghouse proprietary information. For values refer to Qualification Document.
4) Temp., press. & humidity inside auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
5) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
5. FISHER & PORTER REPORT #DP2224-1, RPT #002 WITH FIRL TEST REPORT F-C2815 MAY, 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. FT-4-943
Component: FLOW TRANSMITTER
FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: FISHER & PORTER

MODEL NO: 10B2496P3
SERIAL No.: 7310A1253C2
ACCURACY: Spec: SEE NOTE 5
Demon:

SERVICE: SAFETY INJECTION PUMP DISCHARGE FLOW

LOCATION: SI PUMP ROOM 3'-11" ABOVE FLOOR

Area 10
Elev 18 FT.
Ref Dwg No.
Mech 5610-T-E-4501, SH. 1 & 2
Elect 5610-E-127, REV. 7

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	> 31 DAYS SEE NOTE 2	22	5	TEST ON SIMILAR DEVICE	NONE
Temperature (°F)	SEE NOTE 4	SEE NOTE 3	---	13 (FIGURE 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humidity (%)	SEE NOTE 4	SEE NOTE 3	---	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	SEE NOTE 3	N/A	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	7.5×10^5 RADS	8.2×10^5 RADS	4	5 (APPENDIX "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE 1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time relates to radiation only.
3) This is Westinghouse proprietary information. For values, refer to Qualification Document.
4) Temperature, pressure and humidity inside auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment anymore than during the normal shutdown mode of operation.
5) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT-MATHEMATICAL ANALYSIS.
5. FISHER & PORTER REPORT #DP2224-1, RPT #002 WITH FIRL TEST REPORT F-C2815 MAY, 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION
PLANT ID NO.: FT-3-932
Component: FLOW TRANSMITTER

FUNCTION: MON LOCA/HELB (IN)

MANUFACTURER: FISHER & PORTER

MODEL NO: 10B2496PBBABBB-NS (HI TEMP)
SR #6804A6255A69 (HI RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: SAFETY INJECTION (HI HEAD)
FLOW TO HOT LEG

LOCATION INSIDE CONTAINMENT

Area 6
Elev 14 (FLOOR)
Ref Dwg No.
Mech 5610-T-E-4510, Sh. 2, Rev. 4
Elect 5610-E-103, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	48 Hours	7 Hours-Test 48 Hours-Anal.	22	7 (Fig 3-6) & 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320°(1 Hr) 293°(2 Hr) 227°(3½ Hr) 281°(½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. Test for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-2273.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SAFETY INJECTION PLANT ID NO.: FT-3-933 Component: FLOW TRANSMITTER FUNCTION: MON LOCA/HELB (IN) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PBBABBB-NS (HI TEMP) (HI RAD) SR #6804A6257A67 ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: SAFETY INJECTION (HI HEAD) FLOW TO HOT LEG LOCATION INSIDE CONTAINMENT Area 6 Elev 14 (FLOOR) Ref Dwg No. Mech 5610-T-E-4510, Sh. 2, Rev. 4 Elect 5610-E-103, Rev. 4 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	48 Hours	7 Hours-Test 48 Hours-Anal.	22	7 (Fig 3-6) & 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. Test for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-2273.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION
PLANT ID NO.: FT-4-932
Component: FLOW TRANSMITTER

FUNCTION: MON LOCA/HELB (IN)

MANUFACTURER: FISHER & PORTER

MODEL NO: 10B2496PBBABBB-NS (HI TEMP)
SR # later (HI RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: SAFETY INJECTION (HI HEAD)
FLOW TO HOT LEG

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14
Ref Dwg No.
Mech 5610-T-E-4510, Sh. 2, Rev. 4
Elect 5610-E-110, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	48 Hours	7 Hours-Test 48 Hours-Anal.	22	7 (Fig 3-6) & 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320°(1 Hr) 293°(2 Hr) 227°(3½ Hr) 281°(½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. Test for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-2273.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SAFETY INJECTION PLANT ID NO.: FT-4-933 Component: FLOW TRANSMITTER FUNCTION: MON LOCA/HELB (IN) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PBBABBB-NS (HI TEMP) SR #6804A6257A67 (HI RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: SAFETY INJECTION (HI HEAD) FLOW TO HOT LEG LOCATION INSIDE CONTAINMENT Area 12 Elev 14 Ref Dwg No. Mech 5610-T-E-4510, Sh. 2, Rev. 4 Elect 5610-E-110, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	48 Hours	7 Hours-Test 48 Hours-Anal.	22	7 (Fig 3-6) & 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. Test for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-2273.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. FT-3-605 Component: FLOW TRANSMITTER FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PB SERIAL NO: 6804A6255A9 ACCURACY: Spec: Demon: NOTE 3 SERVICE: RESIDUAL HEAT REMOVAL DISCHARGE FLOW LOCATION RHR PIT 21" ABOVE PLATFORM Area 9 Elev 10' (PLATFORM) Ref Dwg No. Mech : 5610-T-E-4510, REV. 4 Elect 5610-E-115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	>31 Days Note 4	22	6	TEST ON SIMILAR DEVICE	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^6 RADS	1.2×10^8 RADS	4	6	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II.
4) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
6. FISHER & PORTER REPORT #DP2224-1 RPT-004 DATED 10-22-73.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI RHR PLANT ID NO. FT-4-605 Component: FLOW TRANSMITTER FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496PB SERIAL NO: 6804A6257A9 ACCURACY: Spec: NOTE 3 Demon: SERVICE: RESIDUAL HEAT REMOVAL DISCHARGE FLOW LOCATION RHR PIT 4' ABOVE PLATFORM Area 9 Elev 10' (PLATFORM) Ref Dwg No. Mech: 5610-T-E-4510, REV. 4 Elect 5610-E-123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	>31 Days Note 4	22	6	TEST ON SIMILAR DEVICE	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5 X 10^6 RADS	1.2 X 10^8 RADS	4	6	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II.
4) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
6. FISHER & PORTER REPORT #DP2224-1 RPT-004 DATED 10-22-73.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. P-4-214A(4P214A)
Component: CONTAINMENT SPRAY PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER #TBDP/68C16316

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE CONTAINMENT SPRAY PUMP

LOCATION CONTAINMENT SPRAY PUMP ROOM

Area 13
Elev 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. P-4-214B(4P214B)
Component: CONTAINMENT SPRAY PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER #TBDP/68C16316

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE CONTAINMENT SPRAY PUMP

LOCATION CONTAINMENT SPRAY PUMP ROOM

Area 13
Elev 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. P-3-210A (3P210A) Component: RHR Pump Motor FUNCTION: LOCA/HELB (inside) Mitigate MANUFACTURER: Westinghouse MODEL NO: Ser. # ABDP/0967-68 ACCURACY: Spec: N/A Demon: N/A SERVICE: Operate residual heat removal pump LOCATION RHR PUMP ROOM "A" Area 9/10 Elev (-) 4'-6" Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-67 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 days	>31 DAYS Note 3	22	#47 PAGE 5-1	PROTOTYPE TEST	None
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	None
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	None
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
	Radiation	2.4×10^6 RADS	2×10^8 RADS	4	#47 page 5-1	Prototype test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed In PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. P-3-210B (3P210B)
Component: RHR Pump Motor
FUNCTION: LOCA/HELB (inside) Mitigate

MANUFACTURER: Westinghouse

MODEL NO: Ser.# ABDP/0967-66

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Operate residual heat removal pump

LOCATION: RHR PUMP ROOM "B"

Area 9/10
Elev (-) 4'-6"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-67 REV 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ___
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 days	>31 DAYS Note 3	22	#47 PAGE 5-1	PROTOTYPE TEST	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	None
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	$2.2X10^6$ RADS	$2X10^8$ RADS	4	#47 page 5-1	Prototype test	None
Aging	NOT REQUIRED	None	---	None	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. P-4-210A (4P210A) Component: RHR Pump Motor FUNCTION: LOCA/HELB (inside) Mitigate MANUFACTURER: Westinghouse MODEL NO: Ser.# ABDP/67F68604 ACCURACY: Spec: N/A Demon: N/A SERVICE: Operate residual heat removal pump LOCATION RHR PUMP ROOM "A" Area 13 Elev (-) 4'-6" Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-69 REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	>31 DAYS Note 3	22	#47 PAGE 5-1	PROTOTYPE TEST	None
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	None
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	None
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
	Radiation	$2.4\text{X}10^{6}$ RADS	$2\text{X}10^{8}$ RADS	4	#47 page 5-1	Prototype test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. P-4-210B (4P210B) Component: RHR Pump Motor FUNCTION: LOCA/HELB (inside) Mitigate MANUFACTURER: Westinghouse MODEL NO: Ser.# ABDP/68F15106 ACCURACY: Spec: N/A Demon: N/A SERVICE: Operate residual heat removal pump LOCATION RHR PUMP ROOM "B" Area 13 Elev (-) 4'-6" Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-69 REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ___ No ___	Operating Time	31 days	>31 DAYS Note 3	22	#47 PAGE 5-1	PROTOTYPE TEST	None
	Temperature (^{o}F)	Note 2	N/A	Note 2	N/A	N/A	None
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	None
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	None
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
	Radiation	$2.2x10^{6}$ RADS	$2x10^{8}$ RADS	4	#47 page 5-1	Prototype test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO.: MOV-3-744A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE; MOTOR-RELIANCE MODEL NO: SMB-3; OPERATOR-S# 93570A MOTOR-Y253251A2 INSULATION CLASS H ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS INLET ISOLATION LOCATION INSIDE CONTAINMENT Area 6 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19' Above Flood Level: Yes X No ___	Operating Time	31 Days	32 Days	22	16	Mathematical Analysis and TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	16 (PG.C24-C28)	SIMULTANEOUS TYPE TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	16 (PG. C-11)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	16 (PG. C-1)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	16 (PG. C-1 & C-11)	SIMULTANEOUS TYPE TEST	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (PG. 5-4)	SEQUENTIAL TEST ON SAME DEVICE	NONE
	Aging	NOT REQUIRED	40 YEARS	---	19 (PGS. 4 & 5)	SEQUENTIAL TEST ON SAME DEVICE	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
16. WESTINGHOUSE WCAP-7410-L, APPENDIX C, FINAL REPORT F-C2232-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
19. LIMITORQUE TEST REPORT #600198

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-4-744A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-3; OPERATOR-S #93567A; MOTOR: Y249312A1-KX; INSUL: CLASS-RH ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS INLET ISOLATION LOCATION INSIDE CONTAINMENT Area 12 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-110 (REV 5) Flood Level Elev: 19' Above Flood Level: Yes X No ___	Operating Time	31 Days	32 Days	22	16	Mathematical Analysis & Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	16 (PG. C24-C28)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	16 (PG. C-11)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	16 (PG. C-1)	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	16 (PB.C-1 & C-11)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (PG. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	40 YEARS	---	19 (PG. 4 & 5)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
16. WESTINGHOUSE WCAP-7410-L, APPENDIX C, FINAL REPORT F-C2232-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
19. LIMITORQUE TEST REPORT #600198

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-3-744B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR- LIMITORQUE MOTOR - RELIANCE MODEL NO: SMB-3; OPERATOR: S #93568A MOTOR: Y253251A1; INSUL: CLASS -H ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS INLET ISOLATION LOCATION INSIDE CONTAINMENT Area 6 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-103 (REV 6) Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	31 Days	32 Days	22	16	Mathematical Analysis & Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	16 (PG. C24 - C28)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	16 (PG. C-11)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	16 (PG. C-1)	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	16 (PG. C-1 & C-11)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (PG. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	40 YEARS	---	19 (PGs. 4 & 5)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L, VOL. I, SECTION 5.
16. WESTINGHOUSE WCAP-7410-L, APPENDIX C, FINAL REPORT F-C2232-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
19. LIMITORQUE TEST REPORT #600198

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-4-744B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR - RELIANCE MODEL NO: OPERATOR-SMB-3 MOTOR-259312A2-LX; INSUL-CLASS - RH ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS INLET ISOLATION LOCATION INSIDE CONTAINMENT Area 12 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-110 (REV 5) Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	31 Days	32 Days	22	16	Mathematical Analysis and Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	16 (PG. C24 - C28)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	16 (PG. C-11	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	16 (PG. C-1)	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	16 (PG. C-1 & C-11)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (PG. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	40 YEARS	---	19 (PGs. 4 & 5)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

2) This is Westinghouse proprietary information. For values reference qualification documentation reference:

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L, VOL. I, SECTION 5.
16. WESTINGHOUSE WCAP-7410-L, APPENDIX C, FINAL REPORT F-C2232-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
19. LIMITORQUE TEST REPORT #600198

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. MOV-3-750
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (IN & OUT)

MANUFACTURER: ACTUATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-1
Operator: S# 74094A Motor: S# 434082BT
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RCS TO RHR INLET ISOLATION VALVE

LOCATION INSIDE CONTAINMENT

Area 6
Elev 14 Feet
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-103, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	2 HOURS	31 DAYS	22	45	Test and Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	250° F.	1	43, Page 10 45	Sequential Type Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	45, 15 (Page D-10)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100%	ASSUMED	43 (Pg. 5)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (Pages D-8, D-10)	Simultaneous Type Test	NONE
Radiation	SEE ATTACHMENT #3	2.04 X 10^8 RADS	2	43 (Page 2)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values, refer qualification document reference.

*DOCUMENT REFERENCES:
1 POST LOCA PRESSURE AND TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMTNE - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210, DATED 4-30-75.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003, LIMITORQUE VALVE ACTUATORS.
45. ENGINEERING ANALYSIS OF RCS TO RHR INLET ISOLATION VALVES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. MOV-4-750
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (IN & OUT)

MANUFACTURER: ACTUATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-1
Operator: S#-74093A Motor: S# 434082BT
Insul: Class B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RCS to RHR
INLET ISOLATION VALVE

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14 Ft.
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-110, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	2 Hours	31 Days	22	45	Testing and Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	250°F.	1	43, Pg. 10 45	Sequential Type Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	45, 15 (Page D-10)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100%	ASSUMED	43 (Pg. 5)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (Pg. D-8, D-10)	Simultaneous Test	NONE
Radiation	SEE ATTACHMENT #3	2.04×10^8 RADS	2	43 (Page 2)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values, refer qualification document reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE AND TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210, DATED 4-30-75.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003, LIMITORQUE VALVE ACTUATORS.
45. ENGINEERING ANALYSIS OF RCS TO RHR INLET ISOLATION VALVES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-3-751 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ACTUATOR: LIMITORQUE MOTOR: Reliance MODEL NO: SMB-1 Operator: S# 74097A Motor: S#- 434082BT Insul: Class B ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS TO RHR INLET ISOLATION VALVE LOCATION INSIDE CONTAINMENT Area 6 Elev 14 FT. Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-103, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	2 HRS.	31 DAYS	22	45	TESTING AND MATHEMATICAL ANALYSIS	NONE
	Temperature (^{o}F)	SEE ATTACHMENT #1	250	1	43 (Page 10) 45	SEQUENTIAL TYPE TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	45, 15 (Pg. D-10)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humdity (%)	100%	100%	ASSUMED	43 (Pg. 5)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (Pages D-8, D-10)	SIMULTANEOUS TYPE TEST	NONE
	Radiation	SEE ATTACHMENT #3	2.04×10^{8} RADS	2	43 (Pg. 2)	SEQUENTIAL TYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.
2) This is Westinghouse proprietary information. For values, reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003, LIMITORQUE VALVE ACTUATORS.
45. ENGINEERING ANALYSIS OF RCS TO RHR INLET ISOLATION VALVES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-4-751 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: ACTUATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-1 Operator: S# 74095A Motor: S#- 434080BT Insul: Class B ACCURACY: Spec: N/A Demon: N/A SERVICE: RCS TO RHR INLET ISOLATION VALVE LOCATION INSIDE CONTAINMENT Area 12 Elev 14 Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-110, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	2 HRS.	31 DAYS	22	45	TESTING AND MATHEMATICAL ANALYSIS	NONE
	Temperature (°F)	SEE ATTACHMENT #1	250	1	43 (Pg. 10) 45	SEQUENTIAL TYPE TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	45, 15 (Pg. D-10)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humdity (%)	100%	100%	ASSUMED	43 (Pg. 5)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (Pgs. D-8, D-10)	SIMULTANEOUS TYPE TEST	NONE
	Radiation	SEE ATTACHMENT #3	2.04×10^8 RADS	---	43 (Pg. 2)	SEQUENTIAL TYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.
2) This is Westinghouse proprietary information. For values, reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003, LIMITORQUE VALVE ACTUATORS.
45. ENGINEERING ANALYSIS OF RCS TO RHR INLET ISOLATION VALVES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-843A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-0 OPERATOR: S#117633 MOTOR: S#463501-FV INSUL: CLASS B ACCURACY: Spec: N/A Demon: N/A. SERVICE: BORON S.I. VALVE L.P. 'A' COLD LEG LOCATION CONTAINMENT SPRAY ROOM 4'-0" ABOVE FLOOR Area 9 Elev 27'-6" (FLOOR) Ref Dwg No. Mech 5610- T-E-4510 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 Days	>31 Days SEE NOTE 3	22	43 Appendix II	Sequential Test	NONE
	Temperature (°F)	SEE NOTE 2	250	SEE NOTE 2	43 (Pg. 10)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 (Pg. 10)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (Pg. 5 & 7)	Simultaneous Test	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	2.04×10^8 RADS	4	43 (Pg 2,Append.II)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response.)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-3-843B
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-o
OPERATOR: S#118000
MOTOR: S#463501-PV
INSUL: Class B
ACCURACY: Spec: N/A Demon: N/A
SERVICE:
BORON SI VALVE L.P. 'B' COLD LEG

LOCATION CTMT. SPRAY ROOM 4'-0" ABOVE FLOOR

Area 9
Elev 27'-6" (FLOOR)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-115, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*			
Parameter	Specification	Qualification	Specification	Qualification	Qualification Method	Outstanding Items
Operating Time	31 Days	> 31 Days See Note 3	22	43 Appendix II	Sequential Test	NONE
Temperature (°F)	SEE NOTE 2	250	SEE NOTE 2	43 (Pg. 10)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 (Pg. 10)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (Pg. 5 & 7)	Simultaneous Test	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2.04×10^8 RADS	4	43 (Pg. 2&Append. II	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. MOV-4-843A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE
(INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-0
Operator: S #118009 Motor: S#463501-FV
Insul: CLASS-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: BORON SI VALVE L.P. 'A' COLD LEG

LOCATION CTMT. SPRAY ROOM 3'-4" ABOVE FLOOR

Area 13
Elev 27'-6" (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	>31 Days NOTE 3	22	43 Appendix II	Sequential Test	NONE
Temperature (°F)	SEE NOTE 2	250°F	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (Pgs. 5 and 7)	Simultaneous Test	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5 x 10^5 RADS	2.04 x 10^8 RADS	4	43 (Pg. 2 & App. II)	Sequential Test	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-4-843B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-0 Operator: S#118002 Motor: S#463501-FV Insul: CLASS-B ACCURACY: Spec: N/A Demon: N/A SERVICE: BORON SI VALVE L.P. 'B' COLD LEG LOCATION CTMT SPRAY ROOM 3'-4" ABOVE FLOOR Area 13 Elev 27'-6" (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 Days	>31 Days NOTE 3	22	43 Appendix II	Sequential Test	NONE
	Temperature (°F)	SEE NOTE 2	250°F	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (PG. 5 & 7)	Simultaneous Test	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	2.04×10^8 RADS	4	43 (Pg. 2 & App.II)	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. 3P215A
Component: SAFETY INJECTION PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER # ABDP 67F62573/3S-67

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE SI PUMP

LOCATION UNIT 3 SAFETY INJECTION PUMP ROOM

Area 10
Elev 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-127 REV7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 DAYS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. 3P215B
Component: SAFETY INJECTION PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER # ABDP 67F6273/28-67

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE SI PUMP

LOCATION UNIT 3 SAFETY INJECTION PUMP ROOM

Area 10
Elev. 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-127 REV7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature ($^{\circ}F$)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/PWR PLANT ID NO. 4P215A Component: SAFETY INJECTION PUMP MOTOR	Operating Time	31 DAYS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
FUNCTION: LOCA/HELB (INSIDE) MITIGATE	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
MANUFACTURER: WESTINGHOUSE	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
MODEL NO./SER # ABDP 67F62573/1S-67	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
ACCURACY: Spec: N/A Demon:	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: OPERATE SI PUMP	Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
LOCATION UNIT 4 SAFETY INJECTION PUMP ROOM	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Area 10 Elev 18'-0" Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-127 REV7	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ______
No ______

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. 4P215B
Component: SAFETY INJECTION PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./SER # ABDP 68F2112P/18-69

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE SI PUMP

LOCATION UNIT 4 SAFETY INJECTION PUMP ROOM

Area 10
Elev 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-127 REV7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (^{o}F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. P-3-214A (3P214A)
Component: CONTAINMENT SPRAY PUMP MOTOR

FUNCTION:

MANUFACTURER: Westinghouse

MODEL NO: Ser. # TBDP/68C16316

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: OPERATE CONTAINMENT SPRAY PUMP

LOCATION: CONTAINMENT SPRAY PUMP ROOM

Area 9
Elev 18'-0"
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-115 REV 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	>31 DAYS Note 3	22	#47 PAGE 5-1	PROTOTYPE TEST	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	None
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	$5X10^5$ RADS	$2X10^8$ RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
47. ENVIRONMENTAL QUALIFICATION OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT, USE WESTINGHOUSE WCAP-8754.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. P-3-214B(3P214B) Component: CONTAINMENT SPRAY PUMP MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: WESTINGHOUSE MODEL NO./SER #TBDP/68C16316 ACCURACY: Spec: N/A Demon: SERVICE: OPERATE CONTAINMENT SPRAY PUMP LOCATION CONTAINMENT SPRAY PUMP ROOM Area 9 Elev 18'-0" Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	>31 DAYS NOTE 3	# 22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press, & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment any more than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. MOV-3-860A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-0 Operator:S#957844 Motor:S#HV84977 Insul:CLASS-B ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT SUMP ISOLATION LOCATION RHR HT. XGR. RM. ROOM, 46" ABOVE FLOOR Area 9 Elev 10' (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-67, REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 HRS.	SEE NOTE 3	22	15 (PG. D-10)	Simultaneous Test	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (PG. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (P. D-10, D-20)	Simultaneous Test	NONE
	Relative Humidity (%)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 3	N/A	15 (P. D-8, D-10)	Simultaneous Test	NONE
	Radiation	6.1×10^5 RADS	SEE NOTE 3	4	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 3	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-860B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-0 Operator: S#95785A Motor: S#HV84983 Insul: CLASS B ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT SUMP ISOLATION LOCATION RHR HT. XGR. RM. ROOM, 77" ABOVE FLOOR Area 9 Elev 10' (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-67, REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 HRS.	SEE NOTE 3	22	15 (PG. D-10)	Simultaneous Test	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (PG. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (P. D-10, D-20)	Simultaneous Test	NONE
	Relative Humidity (%)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 3	N/A	15 (P. D-8, D-10)	N/A	NONE
	Radiation	6.1 x 10^5 RADS	SEE NOTE 3	4	14 (P. 5-4)	Sequence Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 3	---	14 (P. 5-2)	Sequence Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-860A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE
(INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-0
Operator: S#95199A Motor: S#MV85012
Insul: CLASS - B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SUMP ISOLATION

LOCATION RHR HT. XGR. RM. ROOM, 1'-6" ABOVE FLOOR

Area 13
Elev 6' (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-69, REV. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 HRS.	SEE NOTE 3	22	15 (PG. D-10)	Simultaneous Test	NONE
Temperature (°F)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (PG. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (PG. D-10, D-20)	Simultaneous Test	NONE
Relative Humidity (%)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	SEE NOTE 3	N/A	15 (P. D-8, D-10)	Simultaneous Test	NONE
Radiation	6.1×10^5 RADS	SEE NOTE 3	4	14 (P. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 3	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-4-860B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-0 Operator: S#95466A Motor: S#MV85014 Insul: CLASS - B ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT SUMP ISOLATION LOCATION RHR HT. XGR. RM. 9'ROOM, 5'-6" ABOVE FLOOR Area 13 Elev 6' (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-69, REV. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	8 HRS.	SEE NOTE 3	22	15 (Pg. D-10)	Simultaneous Test	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (PG. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	SEE NOTE 3	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 3	N/A	15 (P. D-8, D-10)	Simultaneous Test	NONE
	Radiation	6.1×10^5 RADS	SEE NOTE 3	4	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 3	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-3-863A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-00
Operator: S#114170 Motor: S#DX99710
Insul: CLASS-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RHR HEAT EXCHANGE OUTLET

LOCATION RHR H_T XGR RM 44" Above Floor

Area 9
Elev (-) 4'-6" (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-67, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	>31 DAYS SEE NOTES 3 & 4	22	14 (Page 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	SEE NOTE #4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	SEE NOTE #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	SEE NOTE #4	N/A	15 (pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	2×10^6 RADS	SEE NOTE #4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE #4	---	14 (Pg . 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation
3) This operating time relates to radiation only.

4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-863B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-00 Operator: S#114169 Motor: S#DX99709 Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: RHR HEAT EXCHANGE OUTLET LOCATION RHR H_T XGR RM 44" Above Floor Area 9 Elev (-) 4'-6" (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-67, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	> 31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 4	N/A	15 (Pg. D-8,D-10)	Simultaneous Type Test	NONE
	Radiation	2×10^6 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-863A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-00
Operator: S#114168 Motor: S#DX99708
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RHR HEAT EXCHANGE OUTLET

LOCATION RHR HT XCR RM 4' ABOVE SLAB

Area 13
Elev (-) 4'-6" (SLAB)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-69, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	>31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	SEE NOTE 4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	2×10^6 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME L OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-863B
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-00
Operator: S#114167 Motor: S#DX99711
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: RHR HEAT EXCHANGE OUTLET

LOCATION RHR HT XGR RM 4'-0" Above Floor

Area 13
Elev (-)4'-6" (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-69, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	>31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10,D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	SEE NOTE 4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	2 X 10^6 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
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4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-3-866A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: OPERATOR-LIMITORQUE
MOTOR - PEERLESS
MODEL NO: SMB-000; OPERATOR-S #84814A
MOTOR-S #JV82913; INSUL. CLASS - B
ACCURACY: Spec:
Demon: NA

SERVICE: SI to RCS HOTLEG ISOLATION

LOCATION INSIDE CONTAINMENT

Area 6
Elev 14'
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-103 (REV 6)

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	2 HRS	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (PG. D-20)	Simultaneous Type Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (PG. D-10, D-20)	Simultaneous Type Test	NONE
Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

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*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-866B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-00; OPERATOR-S #84784A MOTOR-S #JV82897; INSUL. CLASS - B ACCURACY: Spec: NA Demon: SERVICE: SI to RCS HOTLEG ISOLATION LOCATION INSIDE CONTAINMENT Area 6 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-103 (REV 6) Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	2 Hrs.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (PG. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (PG. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P-5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IE8-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-4-866A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-00; OPERATOR-S #84768A MOTOR-S #FV78791; INSUL. CLASS - B ACCURACY: Spec: NA Demon: SERVICE: SI TO RCS HOT LEG ISOLATION LOCATION INSIDE CONTAINMENT Area 12 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-110 (REV 5) Flood Level Elev: 19' Above Flood Level: Yes X No ___	Operating Time	2 HRS.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature ($^{\circ}$F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (PG. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P.5.4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-4-866B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-00; OPERATOR-S #84766A MOTOR-S #FY78792; INSUL. CLASS - B ACCURACY: Spec: NA Demon: SERVICE: SI TO RCS HOT LEG ISOLATION LOCATION INSIDE CONTAINMENT Area 12 Elev 14' Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-110 (REV 5) Flood Level Elev: 19' Above Flood Level: Yes _X_ No ___	Operating Time	2 HRS.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE 2	1	15 (PG. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 2	1	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	ASSUMED	15	Simultaneous Type Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 2	3	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	SEE ATTACHMENT #3	SEE NOTE 2	2	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
14. WESTINGHOUSE WCAP - 7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP - 7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-867A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-00 Operator: S#914B7A Motor: S#MV84766 Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: BORON INJECTION TANK, H. H. PRESSURE LOCATION CONTAINMENT SPRAY ROOM 3'-10" Above Deck Area 9 Elev 27'-6" (Deck) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	> 31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
	Relative Humidity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	7.5 X 10^5 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
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4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE SCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-867B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-00 Operator: S#91470A Motor: MV84761 Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: BORON INJECTION TANK, H. H. PRESSURE LOCATION CONTAINMENT SPRAY ROOM 3'-10" Above Floor Area 9 Elev 27'-6" (FLOOR) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ______ No ______	Operating Time	31 Days	> 31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
	Relative Humidity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	SEE NOTE 4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	7.5 x 10^5 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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15. WESTINGHOUSE WCAP-7410,L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-867A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-00
Operator: S#91468A Motor: S#MV84769
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: BORON INJECTION TANK, H. H. PRESSURE

LOCATION CONTAINMENT SPRAY ROOM
3'-0" Above Floor
Area 13
Elev 18 ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	> 31 DAYS SEE NOTES 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15 (Pg. D-10,D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	SEE NOTE 4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	SEE NOTE 4	N/A	.15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5 X 10^5 RADS	SEE NOTE 4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	SEE NOTE 4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-4-867B Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-00 Operator: S#91488A Motor: S#HV84781 Insul:Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: BORON INJECTION TANK, H. H. PRESSURE LOCATION CONTAINMENT SPRAY ROOM 8'-0" Above Floor Area 13 Elev 18 Ft. (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	>31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10,D-20)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultanaous Test	NONE
	Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8,D-10)	Simultaneous Type Test	NONE
	Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	See Note #4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-878A Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-0 Operator: 92966A Motor: S#447135-AU Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: HIGH HEAD SAFETY INJECTION PUMPS TRANSFER LOCATION: SI PUMP ROOM 26" Above Floor Area 10 Elev 18 Ft. (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	>31 Days See Note #3	22	43 Appendix II	Sequential Test	NONE
	Temperature (°F)	SEE NOTE 2	250°F.	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	25 PSIG	SEE NOTE 2	43 Page 10	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	100%	SEE NOTE 2	43 (Pg. 5 & 7)	Simultaneous Test	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5 X 10^5 RADS	2.04 X 10^8 RADS	4	43, Pg.2 & Appdx II	Sequential Test	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST
43. QUALIFICATION OF TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-878B
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO:SMB-00
Operator:S#92963A Motor:S#LV84175
Insul:Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: HIGH HEAD SAFETY INJECTION PUMPS TRANSFER

LOCATION SI PUMP ROOM
129" Above Floor
Area 10
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	> 31 DAYS See Notes 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg.D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-3-880A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-0
Operator: S#92419A Motor: S#MV84938
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SPRAY PUMP DISCHARGE ISOLATION

LOCATION: CONTAINMENT SPRAY ROOM
6'-3" Above Floor
Area 9
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-115, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hours	> 31 DAYS See Notes 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-10, D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5×10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OURSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-3-880B
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-0
Operator: S#92427A Motor: S#HV84941
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SPRAY PUMP DISCHARGE ISOLATION

LOCATION CONTAINMENT SPRAY ROOM
5'-5" Above Floor
Area 9
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-115, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hours	>31 DAYS See Notes 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
Relative Humidity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg.D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5×10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-880A
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-0
Operator: S#92423A Motor: S#HV84940
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SPRAY PUMP DISCHARGE ISOLATION

LOCATION: CONTAINMENT SPRAY ROOM
6'-7" Above Floor
Area 13
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hours	> 31 DAYS See Notes 3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10,D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg.D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5×10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOLUME I OF II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-880B
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-0
Operator: S#92424A Motor: S#HV84939
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SPRAY PUMP DISCHARGE ISOLATION

LOCATION: CONTAINMENT SPRAY ROOM
6'-8" Above Floor
Area 13
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hours	> 31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Page D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-869 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-0 Operator: S#91712A Motor: S#LV84149 Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: LOOP A & B HOT LEG SI STOP VALVE LOCATION Pipe and Valve Room 2'-11" Above Floor Area 9 Elev 18 ft. (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	> 31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10, D-20)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT P-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-869
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO: SMB-00
Operator:S#91710A Motor:S#LV84154
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOOP A & B HOT LEG SI STOP VALVE

LOCATION PIPE & VALVE ROOM
2'-10" Above Floor
Area 13
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

	ENVIRONMENT		DOCUMENT REFERENCE*			
Parameter	Specification	Qualification	Specification	Qualification	Qualification Method	Outstanding Items
Operating Time	31 Days	>31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-10,D-20)	Simultaneous Test	NONE
Relative Humidity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.

4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI/RHR PLANT ID NO. MOV-3-872 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (INSIDE) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: PEERLESS MODEL NO: SMB-0 Operator: S#69213A Motor: S#HU66899 Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: LOOP A & B HOT LEG SI STOP VALVE LOCATION PIPE & VALVE ROOM 5'-2" Above Floor Area 9 Elev 18 Ft. (Floor) Ref Dwg No. Mech 5610-T-E-4510 Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 Days	> 31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg.D-10, D-20)	Simultaneous Test	NONE
	Relative Humdity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
	Chemical Spray	N/A	See Note #4	N/A	15 (Pg. D-8,D-10)	Simultaneous Type Test	NONE
	Radiation	7.5×10^5 RADS	See Note #4	4	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	See Note #4	---	14 (Pg. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation
3) This operating time relates to radiation only.

4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. MOV-4-872
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (INSIDE)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: PEERLESS
MODEL NO:SMB-0
Operator:S#69212A Motor:S#GU66898
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOOP A & B HOT LEG SI STOP VALVE

LOCATION: PIPE & VALVE ROOM
5'-1" Above Floor
Area 13
Elev 18 Ft. (Floor)
Ref Dwg No.
Mech 5610-T-E-4510
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	>31 DAYS See Notes #3 & 4	22	14 (Pg. 5-4)	Sequential Test on Same Device	NONE
Temperature (°F)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg. D-20)	Simultaneous Test	NONE
Pressure (PSIA)	SEE NOTE 2	See Note #4	SEE NOTE 2	15 (Pg.D-10,D-20)	Simultaneous Test	NONE
Relative Humidity (%)	SEE NOTE 2	See Note #4	SEE NOTE 2	15	Simultaneous Test	NONE
Chemical Spray	N/A	See Note #4	N/A	15 (Pg.D-8, D-10)	Simultaneous Type Test	NONE
Radiation	7.5 X 10^5 RADS	See Note #4	4	14 (Page 5-4)	Sequential Test on Same Device	NONE
Aging	NOT REQUIRED	See Note #4	---	14 (Page 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press., and Humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. any more than during normal shutdown mode of operation.
3) This operating time relates to radiation only.
4) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
14. WESTINGHOUSE WCAP-7410-L, VOL. I of II, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L, APPENDIX D, REPORT F-C2485-01.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. PC-3-600
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J302-610
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: PROVIDE RHR PUMP DISCHARGE PR. IND. & INTERLOCK TO PREVENT OPENING OF VALVES
LOCATION: PIPING & VALVE ROOM
54" ABOVE FLOOR
Area 9
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-115, REV. 10
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5 x 10^5 RADS	5 x 10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. PC-3-601
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J17A-670-8090
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: PROVIDE RHR PUMP DISCHARGE PR. IND. & INTERLOCK TO PREVENT OPENING OF VALVES
LOCATION: N-S HALLWAY 50" ABOVE FLOOR
Area 9
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-115, REV. 10
Flood Level Elev: N/A
Above Flood Level: N/A
Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5 x 10^4 RADS	3 x 10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. PC-4-600
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY
MODEL NO: J17A-670-8090
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: PROVIDE RHR PUMP DISCHARGE PR. IND. & INTERLOCK TO PREVENT OPENING OF VALVES
LOCATION : PIPING & VALVE ROOM
5'-4" ABOVE FLOOR
Area 13
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-69, REV. 8
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	3×10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. PC-4-601
Component: PRESSURE CONTROLLER

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY

MODEL NO: J302-610-B012

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: PROVIDE RHR PUMP DISCHARGE PR. IND. & INTERLOCK TO PREVENT OPENING OF VALVES

LOCATION: N-S HALLWAY 5'-4" ABOVE FLOOR

Area 14
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-69, REV. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^4 RADS	5×10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION AND RESIDUAL HEAT REMOVAL
PLANT ID NO. PC-957 A
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: 288A-7704
ACCURACY: Spec: NOTE 3
Demon:
SERVICE: INTERLOCK TO SAFETY INJECTION PUMP CONTROL
LOCATION SAFETY INJECTION PUMP ROOM 50" ABOVE FLOOR
Area 10
Elev 18'
Ref Dwg No.
Mech : 5610-T-E-4510
Elect 5610-E-127 REV. 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 4
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5x10^5 RADS	NONE	4	NONE	NONE	NOTE 4
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II
4) Research of qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
55. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION AND RESIDUAL HEAT REMOVAL
PLANT ID NO. PC-957 B
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: 288A-7703
ACCURACY: Spec: NOTE 3
Demon:
SERVICE: INTERLOCK TO SAFETY INJECTION PUMP CONTROL
LOCATION SAFETY INJECTION PUMP ROOM 50" ABOVE FLOOR
Area 10
Elev 18'
Ref Dwg No.
Mech : 5610-T-E-4510
Elect 5610-E-127 REV. 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 4
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$7.5x10^5$ RADS	NONE	4	NONE	NONE	NOTE 4
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II
4) Research of qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
55. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION AND RESIDUAL HEAT REMOVAL
PLANT ID NO. PC-957 C
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: 288A-7702
ACCURACY: Spec: NOTE 3
Demon:
SERVICE: INTERLOCK TO SAFETY INJECTION PUMP CONTROL
LOCATION SAFETY INJECTION PUMP ROOM 4'-½" ABOVE FLOOR
Area 10
Elev 18'
Ref Dwg No.
Mech : 5610-T-E-4510
Elect 5610-E-127 REV. 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 4
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	NONE	4	NONE	NONE	NOTE 4
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II
4) Research of qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
55. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SAFETY INJECTION AND RESIDUAL HEAT REMOVAL
PLANT ID NO. PC-957D
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: 288A-7701
ACCURACY: Spec: NOTE 3
Demon:
SERVICE: INTERLOCK TO SAFETY INJECTION PUMP CONTROL
LOCATION SAFETY INJECTION PUMP ROOM 49" ABOVE FLOOR
Area 10
Elev 18'
Ref Dwg No.
Mech : 5610-T-E-4510
Elect 5610-E-127 REV. 7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 4
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	NONE	4	NONE	NONE	NOTE 4
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Accuracy is held as an open item for resolution in Phase II
4) Research of qualification data in progress will be addressed in Phase II Response.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
55. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. LS-3-1570
Component: LEVEL SWITCH
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: MAGNETROL
MODEL NO: A-153-F-EP/VP-X-Y-M13H
S # 431065
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: CONTAINMENT SUMP LEVEL
LOCATION INSIDE CONTAINMENT
Area 6
Elev 14'
Ref Dwg No.
Mech 5610-T-E-4510 (REV. 4)
Elect 5610-E-103 (REV. 6)
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 HOURS	NONE	22	NONE	N/A	NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	N/A	NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	N/A	NOTE 2
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	N/A	NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	N/A	NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	N/A	NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	N/A	NONE, SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification data available. This device will be replaced during the refueling outage following procurement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM:	SI/RHR
PLANT ID NO.	LS-3-1571
Component:	LEVEL SWITCH
FUNCTION:	LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER:	MAGNETROL
MODEL NO:	A-153-F-EP/VP-X-Y-M13H S # 431067
ACCURACY: Spec:	N/A
Demon:	N/A
SERVICE:	CONTAINMENT SUMP LEVEL
LOCATION	INSIDE CONTAINMENT
Area	6
Elev	14'
Ref Dwg No.	
Mech	5610-T-E-4510 (REV. 4)
Elect	5610-E-103 (REV. 6)
Flood Level Elev:	19'-0"
Above Flood Level:	
Yes	____
No	____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 HOURS	NONE	22	NONE	N/A	NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	N/A	NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	N/A	NOTE 2
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	N/A	NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	N/A	NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	N/A	NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	N/A	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification data available. This device will be replaced during the refueling outage following procurement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. LS-4-1570
Component: LEVEL SWITCH
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: MAGNETROL
MODEL NO: A-153-F-EP/VP-X-Y-M13H
S # 440931
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: CONTAINMENT SUMP LEVEL
LOCATION INSIDE CONTAINMENT
Area 12
Elev 14'
Ref Dwg No.
Mech 5610-T-E-4510 (REV. 4)
Elect 5610-E-110 (REV. 5)
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 HOURS	NONE	22	NONE	N/A	NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	N/A	NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	N/A	NOTE 2
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	N/A	NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	N/A	NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	N/A	NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	N/A	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No Qualification data available. This device will be replaced during the refueling outage following procurement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI/RHR
PLANT ID NO. LS-4-1571
Component: LEVEL SWITCH

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: MAGNETROL

MODEL NO: A-153-F-EP/VP-X-Y-H13H
S # 440932

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT SUMP LEVEL

LOCATION INSIDE CONTAINMENT

Area 12
Elev 14'
Ref Dwg No.
Mech 5610-T-E-4510 (REV. 4)
Elect 5610-E-110 (REV. 5)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	8 HOURS	NONE	22	NONE	N/A	NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	N/A	NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	N/A	NOTE 2
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	N/A	NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	N/A	NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	N/A	NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	N/A	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification data available. This device will be replaced during the refueling outage following procurement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 3N215A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON - #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P215A LOCATION: SI PUMP ROOM 53" ABOVE FLOOR Area: 10 Elev: 18' (FLOOR) Ref Dwg No. Mech: N/A Elect: 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	48 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature ($^{\circ}$F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.4×10^5 RADS	1×10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 3N215B Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON # 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P215B LOCATION: SI PUMP RM. 52" ABOVE FLOOR Area: 10 Elev: 18' (FLOOR) Ref Dwg No. Mech: N/A Elect: 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	48 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.4×10^5 RADS	1×10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. any more than during the normal shutdown mode of operation.

3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 4N215A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON #2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4N215A LOCATION: SI PUMP RM. 54" ABOVE FLOOR Area: 10 Elev: 18' (FLOOR) Ref Dwg No. Mech : N/A Elect.: 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	48 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.4×10^5 RADS	1×10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 4N215B Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: HACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON # 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4N215B LOCATION: SI PUMP RM. 54" ABOVE FLOOR. Area : 10 Elev : 18' (FLOOR) Ref Dwg No. Mech : N/A Elect : 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	48 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.4×10^5 RADS	1×10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF HACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 3N214A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: HACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON-#2008 IND. LIGHT-#2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P214A LOCATION: CTMT. SPRAY RM. 4'-5" ABOVE FLOOR Area: 9 Elev: 18' (FLOOR) Ref Dwg No. Mech: N/A Elect: 5610-E-115, (REV. 10) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	12 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2 x 10^5 RADS	1 x 10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF HACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 3N214B Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: HACKWORTH G. REES DIV. MODEL NO: PUSHBUTTON - #2008 IND. LIGHT - #2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P214B LOCATION: CTMT SPRAY RM. 4'-5" ABOVE FLOOR Area: 9 Elev: 18' (FLOOR) Ref Dwg No. Mech: N/A Elect: 5610-E-115, (REV. 10) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	12 HRS	31 DAYS	SEE NOTE 3	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2×10^5 RADS	1×10^6 RADS	4	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF HACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 4N214A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton #2008 Ind. Lights # 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P214A LOCATION CTMT spray RM 4'-3" and 5'-2" above floor Area 13 Elev 18 Ref Dwg No. Mech: N/A Elect 5610-E-123 REV 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	12 HRS	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2×10^5 RADS	1×10^6 RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 4N214B Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton # 2008 Ind. Lights # 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P214B LOCATION CTMT spray Rm 4'-3" and 5'-4" above floor Area 13 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-123 REV 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	12 HRS	31 Days	See Note 3	83	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2 X 10^5 RADS	1X10^6 RADS	4	83	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 3N210A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: P.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P210A LOCATION N-S hallway 4'-3" above floor Area 9 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 Days	31 Days	See Note 3	83	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$7.5X10^4$ RADS	$1X10^6$ RADS	4	83	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. 3N210B
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: P.B. 2008

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR 3P210B

LOCATION N-S hallway 4'-3" above floor

Area 9
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-115, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	See Note 3	83	Engineering Analysis	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$7.5X10^4$ RADS	$1X10^8$ RADS	4	83	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: SI & RHR PLANT ID NO. 4N210A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: F.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P210A LOCATION N-S hallway 4'-3" above floor Area 13 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-125, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$7.5X10^4$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: SI & RHR
PLANT ID NO. 4N210B
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: P.B. 2008

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR 4P210B

LOCATION N-S hallway 4'-3" above floor

Area 14
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	See Note 3	38	Engineering Analysis	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	$7.5X10^{4}$ RADS	$1X10^{6}$ RADS	4	38	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

SECTION C2-4

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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SYSTEM: COMPONENT COOLING WATER

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
4-1	SV-3-2920	SOLENOID VALVE ASSOC. WITH CV-3-2903	0	5/2/80	
4-2	SV-3-2921	SOLENOID VALVE ASSOC WITH CV-3-2904			
4-3	SV-3-2922	SOLENOID VALVE ASSOC. WITH CV-3-2905			
4-4	SV-4-2920	SOLENOID VALVE ASSOC. WITH CV-4-2903			
4-5	SV-4-2921	SOLENOID VALVE ASSOC. WITH CV-4-2904			
4-6	SV-4-2922	SOLENOID VALVE ASSOC. WITH CV-4-2905			
4-7	SV-3-2923	SOLENOID VALVE ASSOC. WITH CV-3-2906			
4-8	SV-3-2924	SOLENOID VALVE ASSOC. WITH CV-3-2907			
4-9	SV-3-2925	SOLENOID VALVE ASSOC. WITH CV-3-2908			
4-10	SV-4-2923	SOLENOID VALVE ASSOC. WITH CV-4-2906			
4-11	SV-4-2924	SOLENOID VALVE ASSOC. WITH CV-4-2907			
4-12	SV-4-2925	SOLENOID VALVE ASSOC. WITH CV-4-2908			
4-13	SV-3-2810	SOLENOID VALVE ASSOC. WITH CV-3-2910			
4-14	---	LIMIT SWITCHES ASSOC. WITH CV-3-2810			
4-15	SV-3-2812	SOLENOID VALVE ASSOC. WITH CV-3-2812			
4-16	---	LIMIT SWITCHES ASSOC. WITH CV-3-2812			
4-17	SV-3-2814	SOLENOID VALVE ASSOC. WITH CV-3-2814			
4-18	---	LIMIT SWITCHES ASSOC. WITH CV-3-2814			
4-19	SV-4-2810	SOLENOID VALVE ASSOC. WITH CV-4-2810			
4-20	---	LIMIT SWITCHES ASSOC. WITH CV-4-2810	↓	↓	

SECTION C2-4

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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WORK SHEETS

SYSTEM: COMPONENT COOLING WATER

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
4-21	SV-4-2812	SOLENOID VALVE ASSOC. WITH CV-4-2812	0	5/2/80	
4-22	---	LIMIT SWITCHES ASSOC. WITH CV-4-2812			
4-23	SV-4-2814	SOLENOID VALVE ASSOC. WITH CV-4-2814			
4-24	---	LIMIT SWITCHES ASSOC. WITH CV-4-2814			
4-25	3P211A	COMPONENT COOLING WATER PUMP			
4-26	3P211B	COMPONENT COOLING WATER PUMP			
4-27	3P211C	COMPONENT COOLING WATER PUMP			
4-28	3N211A	LOCAL CONTROL STATION			
4-29	3N211B	LOCAL CONTROL STATION			
4-30	3N211C	LOCAL CONTROL STATION			
4-31	4P211A	COMPONENT COOLING WATER PUMP			
4-32	4P211B	COMPONENT COOLING WATER PUMP			
4-33	4P211C	COMPONENT COOLING WATER PUMP			
4-34	4N211A	LOCAL CONTROL STATION			
4-35	4N211B	LOCAL CONTROL STATION			
4-36	4N211C	LOCAL CONTROL STATION			
4-37	FT-3-613A	FLOW TRANSMITTER			
4-38	FT-4-613A	FLOW TRANSMITTER			
4-39	FT-3-613B	FLOW TRANSMITTER			
4-40	FT-4-613B	FLOW TRANSMITTER	↓	↓	

SECTION C2-4

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: COMPONENT COOLING WATER

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
4-41	PC-3-611	PRESSURE CONTROLLER	0	5/2/80	
4-42	PC-4-611	PRESSURE CONTROLLER	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2920 Component: SOLENOID VALVE ASSOC. W/CV-3-2903 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752788 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-115 , REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2921 Component: SOLENOID VALVE ASSOC. W/CV-3-2904 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752789 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-115 , REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response) 2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.						

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2922 Component: SOLENOID VALVE ASSOC. W/CV-3-2905 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752783 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-115 , REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2920 Component: SOLENOID VALVE ASSOC. W/CV-4-2903 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752789 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-123 , REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	7×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2921 Component: SOLENOID VALVE ASSOC. W/CV-4-2904 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278S Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (^{o}F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2922 Component: SOLENOID VALVE ASSOC. W/CV-4-2905 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278 S Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 6'-3" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SY-3-2923 Component: SOLENOID VALVE ASSOC. W/CV-3-2906 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278 S Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SY-3-2924 Component: SOLENOID VALVE ASSOC. W/CV-3-2907 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752788 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the PSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2925 Component: SOLENOID VALVE ASSOC. W/CV-3-2908 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 752783 Sol.Cat.No: 80033 Vlv.Cat.No: 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2923 Component: SOLENOID VALVE ASSOC. W/CV-4-2906 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278S SOL. CAT. NO. 80033 VLV. CAT. NO. 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2924 Component: SOLENOID VALVE ASSOC. W/CV-4-2907 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278S SOL.CAT. NO. 80033 VLV. CAT. NO. 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2925 Component: SOLENOID VALVE ASSOC. W/CV-4-2908 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 75278 S SOL. CAT. NO. 80033 VLV. CAT. NO. 8345B51 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING WATER LOCATION PIPE & VALVE RM. 10'-7" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2810 ASSOC. WITH CV-3-2810 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 728378 Sol.Cat.No: 80173 Vlv.Cat.No: 8342A2 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING BYPASS VALVE LOCATION PIPE & VALVE RM. 6'-11" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature $(^{\circ}F)$	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the PSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2812 Component: SOLENOID VALVE ASSOC. WITH CV-3-2812 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 72837S Sol.Cat.No: 80173 Vlv.Cat.No: 8342A2 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING BYPASS VALVE LOCATION PIPE & VALVE RM. 6'-10" ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. ASSOCIATED WITH CV-3-2810
Component: 2 LIMIT SWITCHES

FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE
MANUFACTURER:
NAT. ACME MANUF. CO. (NAMCO)
MODEL NO: LIMIT SW #1 - D1200G
LIMIT SW #2 - D1200G
ACCURACY: Spec: N/A
Demon: N/A

SERVICE:
EMERGENCY CLG. BYPASS
VLV POSITIONS
LOCATION PIPE & VLV RM.
5'-8" & 5'-11" ABOVE FLOOR
Area 13
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
Radiation	3.75×10^6 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:

1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. ASSOCIATED WITH CV-3-2812 Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: LIMIT SW #1 - D1200G LIMIT SW #2 - D1200G ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CLG. BYPASS VLV POSITIONS LOCATION PIPE & VLV RM. 5'- 9"& 5'-11" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:

1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-3-2814 Component: SOLENOID VALVE ASSOC. WITH CV-3-2814 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 72837S Sol.Cat.No: 80173 Vlv.Cat.No: 8342A2 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING BYPASS VALVE LOCATION PIPE & VALVE RM. 7' ABOVE FLOOR Area 9 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 115, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. ASSOCIATED WITH CV-3-2814 Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: LIMIT SW #1 - D1200G LIMIT SW #2 - D1200G ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CLG. BYPASS VLV POSITIONS LOCATION PIPE & VLV RM. 5'-10" & 6'-1" ABOVE FLOOR Area 9 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-115, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:

1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2810 Component:SOLENOID VALVE ASSOC. WITH CV-4-2810 FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 72837S Sol.Cat.No: 80173 Vlv.Cat.No: 8342A2 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING BYPASS VALVE LOCATION PIPE & VALVE RM. 6'-6" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E- 123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. ASSOCIATED WITH CV-4-2810
Component:
2 LIMIT SWITCHES
FUNCTION:
- LOCA/HELB (INSIDE)
MITIGATE
MANUFACTURER:
NAT. ACME MANUF. CO. (NAMCO)
MODEL NO: LIMIT SW #1 - D1200G
LIMIT SW #2 - D1200G
ACCURACY: Spec: N/A
Demon: N/A

SERVICE:
EMERGENCY CLG. BYPASS
VLV POSITIONS
LOCATION PIPE & VLV RM.
5'-8" & 5'-11" ABOVE FLOOR
Area 13
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-123, Rev. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA REAIDTION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CCW
PLANT ID NO. SV-4-2812
Component: SOLENOID VALVE ASSOC. WITH CV-4-2812

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: Serial No. 72837S
Sol.Cat.No: 80173 Vlv.Cat.No 8342A2
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: EMERGENCY CONTAINMENT COOLING
BYPASS VALVE

LOCATION PIPE & VALVE RM. 6'-6" ABOVE FLOOR

Area 13
Elev 18' (Floor)
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E- 123, REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. ASSOCIATED WITH CV-4-2812 Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: LIMIT SW #1 - EA08011100 LIMIT SW #2 - D1200G ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CLG. BYPASS VLV POSITIONS LOCATION PIPE & VLV RM. 5'-8" & 5'-11" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:

1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PLANT ID NO. SV-4-2814 Component: SOLENOID VALVE ASSOC. WITH CV-4-2814 FUNCTION: LOCA/HEIB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Serial No. 72837S Sol.Cat.No: 80173 Vlv.Cat.No: 8342A2 ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CONTAINMENT COOLING BYPASS VALVE LOCATION PIPE & VALVE RM. 6'-6" ABOVE FLOOR Area 13 Elev 18' (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-123 , REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HOURS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. ASSOCIATED WITH CV-4-2814 Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: LIMIT SW #1 - D1200G LIMIT SW #2 - D1200G ACCURACY: Spec: N/A Demon: N/A SERVICE: EMERGENCY CLG. BYPASS VLV POSITIONS LOCATION PIPE & VLV RM. 5'-8" & 5'-11" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HRS	31 DAYS	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	1×10^6 RADS	4	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:

1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2. Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside containment anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CCW PP
PLANT ID NO. 3P211A
Component: COMPONENT COOLING PUMP MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: WESTINGHOUSE
MODEL NO./STYLE SN1-S-68 68F13681
ACCURACY: Spec: N/A
Demon:
SERVICE: OPERATE COMPONENT COOLING PUMP
LOCATION CCW PUMP ROOM UNIT 3
Area 10
Elev 18'-0
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E-127 REV7
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	# 47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CCW PP
PLANT ID NO. 3P211B
Component: COMPONENT COOLING PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./STYLE SH1-S-68 68P13681 SER 25-68

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: OPERATE COMPONENT COOLING PUMP

LOCATION CCW PUMP ROOM UNIT 3

Area 10
Elev 18'-0
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E-127 REV7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CCW PP
PLANT ID NO. 3P211C
Component: COMPONENT COOLING PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./STYLE SN1-S-68 68F13681 SER 35-68

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE COMPONENT COOLING PUMP

LOCATION CCW PUMP ROOM UNIT 3

Area 10
Elev 18'-0
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E-127 REV7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in MI. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. 3N211A
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: P.B. 2008

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR 3P211A

LOCATION CCW pump rm 4'-6" above floor

Area 10
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 HRs	31 Days	See Note 3	38	Engineering Analysis	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	2.9×10^5 RADS	1×10^6 RADS	4	38	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. 3N211B
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (INSIDE)
MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: P.B. 2008

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR 3P211B

LOCATION CCW pump Rm 4'-7" above floor

Area 10
Elev 18
Ref Dwg No.
Mech : N/A
Elect 5610-E-127, Rev. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	24 Hrs	31 Days	See Note 3	38	Engineering Analysis	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	2.9X 10^5 RADS	1X10^6 RADS	4	38	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. 3N211C Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: P.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 3P211C LOCATION CCW pump rm 4'-6" above floor Area 10 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	24 Hrs.	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2.9×10^5 RADS	1×10^6 RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CCW PP PLANT ID NO. 4P211A Component: COMPONENT COOLING PUMP MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: WESTINGHOUSE MODEL NO./STYLE SN3-S-68 68F13682 ACCURACY: Spec: N/A Demon: SERVICE: OPERATE COMPONENT COOLING PUMP LOCATION CCW PUMP ROOM UNIT 4 Area 14 Elev 18'-0 Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-124 REV12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CCW PP
PLANT ID NO. 4P211B
Component: COMPONENT COOLING PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./STYLE SN2-S-68 68P13682

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE COMPONENT COOLING PUMP

LOCATION CCW PUMP ROOM UNIT 4

Area 14
Elev 18'-0
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E-124 REV12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS 1E MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CCW PP
PLANT ID NO. 4P211C
Component: COMPONENT COOLING PUMP MOTOR

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: WESTINGHOUSE

MODEL NO./STYLE SN1-S-68 68P13682

ACCURACY: Spec: N/A
Demon:

SERVICE: OPERATE COMPONENT COOLING PUMP

LOCATION CCW PUMP ROOM UNIT 4

Area 14
Elev 18'-0
Ref Dwg No.
Mech 5610-T-E-4512
Elect 5610-E-124 REV12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 DAYS	>31 DAYS NOTE 3	#22	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	2×10^8 RADS	4	#47 PAGE 5-1	PROTOTYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) This operating time is considered as related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
47. ENVIRONMENTAL QUAL. OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. 4N211A Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: P.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P211A LOCATION CCW pump rm 4'-3" above floor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	24 Hrs.	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2.9X 10^5 RADS	1X10^6 RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. 4N211B Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: P.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P211B LOCATION CCW pump Rm 4'-3" abovefloor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	24 Hrs.	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$2.9X10^5$ RADS	$1X10^6$ RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. 4N211C Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: P.B. 2008 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR 4P211C LOCATION CCW Pump Rm 4'-3" above floor Area 14 Elev 18 Ref Dwg No. Mech : N/A Elect 5610-E-124 REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	24 Hrs	31 Days	See Note 3	38	Engineering Analysis	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	2.9×10^5 RADS	1×10^6 RADS	4	38	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Operating Time Of Associated Motor.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. FT-3-613A Component: Flow Transmitter FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: Fisher & Porter MODEL NO: 10B2495JBJS Ser. No. 6804A6255A33 ACCURACY: Spec: See Note #3 Demon: See Note #3 SERVICE: CCW HEAT EXCHANGER OUTLET FLOW LOCATION: COMPONENT COOLING WATER PUMP AREA 44" ABOVE FLOOR Area 10 Elev 18 ft (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-127, Rev. 7 Flood Level Elev: Above Flood Level: Yes ____ No ____	Operating Time	31 days	> 31 DAYS (see note 2)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	---	13 (fig 5.2)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Relative Humidity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	---	14 (para 5.2)	Simultaneous Test	None
	Radiation	7.5 x 10^5 R	8.2 x 10^5 R	4	5 (appendix 'A')	Test on similar device	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response.
2) Operating time relates to radiation only.
3) Accuracy is held open for resolution in Phase II.
4) Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment, anymore than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - BECHTEL CALCULATIONS.
5. FISHER & PORTER REPORT #DP2224-1, RPT. #002, WITH FIRL TEST REPORT F-C2815, MAY 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID NO. FT-4-613A Component: Flow Transmitter FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: Fisher & Porter MODEL NO: 10B2495JBNS Ser. No. 7207A2594A1 ACCURACY: Spec: See Note #3 Demon: See Note #3 SERVICE: CCW HEAT EXCHANGER OUTLET FLOW LOCATION : COMPONENT COOLING WATER PUMP AREA 4'-0" ABOVE FLOOR Area 14 Elev 18 ft (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-124, Rev. 12 Flood Level Elev: Above Flood Level: Yes ____ No ____	Operating Time	31 days	>31 DAYS (see note 2)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	---	13 (fig 5.2)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	---	13 (para 5.2)	Simultaneous Test	None
	Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix 'A')	Test on similar device	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Operating time relates to radiation only.
3) Accuracy is held open for resolution in Phase II
4) Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment, anymore than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - BECHTEL CALCULATIONS.
5. FISHER & PORTER REPORT #DP2224-1, RPT. #002, WITH FIRL TEST REPORT F-C2815, MAY 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COMPONENT COOLING WATER PLANT ID PT-3-613B Component: Flow Transmitter. FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: Fisher & Porter MODEL NO: 10B2495JBNS Ser. No. 7110A5531A19 ACCURACY: Spec: See Note #3 Demon: See Note #3 SERVICE: CCW HEAT EXCHANGER OUTLET FLOW LOCATION: COMPONENT COOLING WATER PUMP AREA 56" ABOVE FLOOR Area 10 Elev 18 ft (Floor) Ref Dwg No. Mech 5610-T-E-4512 Elect 5610-E-127, Rev. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	>31 DAYS (see note 2)	22	5	TEST ON SIMILAR DEVICE	None
	Temperature (°F)	See Note 4	See Note 5	---	13 (fig 5.2)	Simultaneous Test	None
	Pressure (PSIA)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Relative Humdity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
	Chemical Spray	N/A	See Note 5	---	13 (para 5.2)	Simultaneous Test	None
	Radiation	7.5×10^5 R	8.2×10^5 RADS	4	5 (appendix 'A')	Test on similar device	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) Operating time relates to radiation only.
3) Accuracy is held open for resolution in Phase II.
4) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - BECHTEL CALCULATIONS.
5. FISHER & PORTER REPORT #DP2224-1,RPT #002 WITH FIRL TEST REPORT F-C2815 MAY 1970.
13. WESTINGHOUSE WCAP-9157.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

ACILITY: TURKEY POINT
NIT: 3 & 4
CKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

YSTEM: COMPONENT COOLING WATER
LANT ID NO. FT-4-613B
Component: Flow Transmitter

NCTION: LOCA/HELB (INSIDE) MITIGATE

ANUFACTURER: Fisher & Porter

ODEL NO: 10B2495JBNS
Ser. No. 6804A6255A34
CCURACY: Spec: See Note #3
Demon: See Note #3

ERVICE: CCW HEAT EXCHANGER OUTLET FLOW

OCATION COMPONENT COOLING WATER PUMP AREA
4'-10" ABOVE FLOOR
rea 14
lev 18 ft (Floor)
ef Dwg No.
ech 5610-T-E-4512
lect 5610-E-124, Rev. 12

lood Level Elev:
bove Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 days	>31 DAYS (see note 2)	22	5	TEST ON SIMILAR DEVICE	None
Temperature (°F)	See Note 4	See Note 5	---	13 .(fig 5.2)	Simultaneous Test	None
Pressure (PSIA)	See Note 4	See note 5	---	13 (para 5.3)	Simultaneous Test	None
Relative Humidity (%)	See Note 4	See Note 5	---	13 (para 5.3)	Simultaneous Test	None
Chemical Spray	N/A	See Note 5	---	13 (para 5.2)	Simultaneous Test	None
Radiation	7.5×10^5 R	8.2×10^5 R	4	5 (appendix 'A')	Test on similar device	None
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time relates to radiation only.
3) Accuracy is held open for resolution in Phase II.
4) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for ecaluation. These are not affected by the accident condition inside the CTMT, any more than during normal shutdown mode of operation.
5) This is Westinghouse proprietary information. Reference qualification documentation.

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT-BECHTEL CALCULATIONS.
5. FISHER & PORTER REPORT #DP2224-1,RPT #002 WITH FIRL TEST REPORT F-C2815 MAY 1970
13. WESTINGHOUSE
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. PC-3-611
Component: PRESSURE CONTROLLER

FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY

MODEL NO: J-7-358

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: PROVIDE INTERLOCK TO CCW PUMP MOTOR

LOCATION: BELOW HEAT EXCHANGER "B"
54" ABOVE FLOOR
Area 10
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-127, REV. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^4 RADS	1×10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

PAGE 4-42
Rev. 0

EQUIPMENT DESCRIPTION

SYSTEM: COMPONENT COOLING WATER
PLANT ID NO. PC-4-611
Component: PRESSURE CONTROLLER
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: UNITED ELECTRIC CONTROLS COMPANY

MODEL NO: J7-358

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: PROVIDE INTERLOCK TO CCW PUMP MOTOR

LOCATION: COMPONENT COOLING WATER PUMP ROOM
4'-6" ABOVE FLOOR
Area 14
Elev 18'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-124, REV. 12

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS	22	46	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	1×10^7 RADS	4	46	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
46. ENGINEERING ANALYSIS OF UNITED ELECTRIC CONTROLLERS.

SECTION C2-5

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MAIN STEAM

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
5-1	PT-3-474	PRESSURE TRANSMITTER	0	5/2/80	
5-2	PT-3-475	PRESSURE TRANSMITTER			
5-3	PT-3-476	PRESSURE TRANSMITTER			
5-4	PT-3-484	PRESSURE TRANSMITTER			
5-5	PT-3-485	PRESSURE TRANSMITTER			
5-6	PT-3-486	PRESSURE TRANSMITTER			
5-7	PT-3-494	PRESSURE TRANSMITTER			
5-8	PT-3-495	PRESSURE TRANSMITTER			
5-9	PT-3-496	PRESSURE TRANSMITTER			
5-10	PT-4-474	PRESSURE TRANSMITTER			
5-11	PT-4-475	PRESSURE TRANSMITTER			
5-12	PT-4-476	PRESSURE TRANSMITTER			
5-13	PT-4-484	PRESSURE TRANSMITTER			
5-14	PT-4-485	PRESSURE TRANSMITTER			
5-15	PT-4-486	PRESSURE TRANSMITTER			
5-16	PT-4-494	PRESSURE TRANSMITTER			
5-17	PT-4-495	PRESSURE TRANSMITTER			
5-18	PT-4-496	PRESSURE TRANSMITTER			
5-19	PT-3-464	PRESSURE TRANSMITTER			
5-20	PT-3-466	PRESSURE TRANSMITTER			

SECTION C2-5

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MAIN STEAM

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
5-21	PT-3-468	PRESSURE TRANSMITTER	0	5/2/80	
5-22	PT-4-464	PRESSURE TRANSMITTER			
5-23	PT-4-466	PRESSURE TRANSMITTER			
5-24	PT-4-468	PRESSURE TRANSMITTER			
5-25	FT-3-475	FLOW TRANSMITTER			
5-26	FT-3-484	FLOW TRANSMITTER			
5-27	FT-3-485	FLOW TRANSMITTER			
5-28	FT-3-494	FLOW TRANSMITTER			
5-29	FT-3-495	FLOW TRANSMITTER			
5-30	FT-3-474	FLOW TRANSMITTER			
5-31	FT-4-474	FLOW TRANSMITTER			
5-32	FT-4-475	FLOW TRANSMITTER			
5-33	FT-4-484	FLOW TRANSMITTER			
5-34	FT-4-485	FLOW TRANSMITTER			
5-35	FT-4-494	FLOW TRANSMITTER			
5-36	FT-4-495	FLOW TRANSMITTER			
5-37	SV-3-2604	SOLENOID VALVE ASSOC. WITH POV-3-2604			
5-38	SV-3-2605	SOLENOID VALVE ASSOC. WITH POV-3-2604			
5-39	---	LIMIT SWITCH ASSOC. WITH POV-3-2604			
5-40	SV-3-2609	SOLENOID VALVE ASSOC. WITH POV-3-2605			

SECTION C2-5

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX
TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MAIN STEAM

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
5-41	SV-3-2610	SOLENOID VALVE ASSOC. WITH POV-3-2605	0	5/2/80	
5-42	---	LIMIT SWITCH ASSOC. WITH POV-3-2605			
5-43	SV-3-2614	SOLENOID VALVE ASSOC. WITH POV-3-2606			
5-44	SV-3-2615	SOLENOID VALVE ASSOC. WITH POV-3-2606			
5-45	---	LIMIT SWITCH ASSOC. WITH POV-3-2606			
5-46	SV-4-2604	SOLENOID VALVE ASSOC. WITH POV-4-2604			
5-47	SV-4-2605	SOLENOID VALVE ASSOC. WITH POV-4-2604			
5-48	---	LIMIT SWITCH ASSOC. WITH POV-4-2604			
5-49	SV-4-2609	SOLENOID VALVE ASSOC. WITH POV-4-2605			
5-50	SV-4-2610	SOLENOID VALVE ASSOC. WITH POV-4-2605			
5-51	---	LIMIT SWITCH ASSOC. WITH POV-4-2605			
5-52	SV-4-2614	SOLENOID VALVE ASSOC. WITH POV-4-2606			
5-53	SV-4-2615	SOLENOID VALVE ASSOC. WITH POV-4-2606			
5-54	----	LIMIT SWITCH ASSOC. WITH POV-4-2606			

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-474 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6257A14 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (^{o}F)	$212^{o}F$ See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. # 22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information.For values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-475 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 OEP1041 BCXANS SER #7201C1059B1 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 Hrs., The device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.
8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-476 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6255A29 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST;
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

***EQUIPMENT DESCRIPTION**

SYSTEM: MAIN STEAM
PLANT ID NO. PT-3-484
Component: PRESSURE TRANSMITTER

FUNCTION: HIT-HELB (IN & OUT)
NON-LOCA/HELB (IN & OUT)

MANUFACTURER: FISHER & PORTER

MODEL NO: 50EP1041 BCXANS
SER # 6804A6255A23
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS.

LOCATION BY MISTH PLATFM 4'-8" ABOVE TURB. DECK

Area 24
Elev 42' (TURB. DECK)
Ref Dwg No.
Mech 5610-T-E-4061, Sh. 1, Rev. 2
Elect 5610-E-131, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
Temperature (^{o}F)	$212^{o}F$ See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #6	8.2×10^{5} RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-485 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6255A24 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MISTH PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-486 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6257A47 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation Reference.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-494 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER # 7110A5531A4 ACCURACY: Spec: Demon: SEE NOTE 2 SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.
8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-495 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) HON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 OEP1041 BCXANS SER #6804A6255A26 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.
8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. PT-3-496
Component: PRESSURE TRANSMITTER

FUNCTION: HIT-HELB (IN & OUT)
MON-LOCA/HELB (IN & OUT)

MANUFACTURER: FISHER & PORTER

MODEL NO: 50EP1041 BCXANS
SER # 6804A6255A18
ACCURACY: Spec:
Demon: SEE NOTE 2

SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS.

LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK

Area 24
Elev 42' (TURB. DECK)
Ref Dwg No.
Mech 5610-T-E-4061, Sh. 1, Rev. 2
Elect 5610-E-131, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per ref. #22 Req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. PT-4-474
Component: PRESSURE TRANSMITTER

FUNCTION: MIT-HELB (IN & OUT)
MON-LOCA/HELB (IN & OUT)

MANUFACTURER: FISHER & PORTER

MODEL NO: 50EP1041 BCXANS
SER # 6804A6257A28
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS.

LOCATION BY MNSTM PLATFM 4'- 2"ABOVE TURB. DECK

Area 17
Elev 42' (TURB. DECK)
Ref Dwg No.
Mech 5610-T-E-4061, Sh. 1, Rev. 2
Elect 5610-E-133, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MIN See Note 3	2 HRS.	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Relative Humidity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd to operate for 24 Hrs., the device will not see accident environment formore than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-475 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) HON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 OEP1041 BCXANS SER# 6804A6257A19 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 -- (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 req'd. to operate for 24 HRS., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-476 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6257A24 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 . Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per ref. #22 req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-484 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) HON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: ^{5} 0EP1041 BCXANS SER #6804A6257A20 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2"ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per ref. #22 Req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-485 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER # 6804A6257A2 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See.Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	$8.2X10^5$ RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see Accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.
8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. PT-4-486
Component: PRESSURE TRANSMITTER

FUNCTION: MIT-HELB (IN & OUT)
MON-LOCA/HELB (IN & OUT)

MANUFACTURER: FISHER & PORTER

MODEL NO: ^{5}0EP1041 BCXANS
SER #7110A5531A5
ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS.

LOCATION BY MSTM PLATFM 4'-2" ABOVE TURB. DECK

Area 17
Elev 42' (TURB. DECK)
Ref Dwg No.
Mech 5610-T-E-4061, Sh. 1, Rev. 2
Elect 5610-E-133, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MIN See Note 3	2HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #6	8.2×10^{5} RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Re. #22 Req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Documentation Qualification.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-494 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: ^{5}0EP1041 BCXANS SER # 6804A6257A22 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MSTM PLATFM 4'-0" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN See Note 3	2 HRS	22	11 Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature ($^\circ$F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2X10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II,
3) Even though per Ref. #22 Req'd to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-I RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-495 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 OEP1041 BCXANS SER #6804A6257A23 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ______ No ______	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-496 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) HON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 50EP1041 BCXANS SER #6804A6255A27 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN See Note 3	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (^{o}F)	212^{o}F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^{5} RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) Even though per Ref. #22 Req'd. to operate for 24 hrs., the device will not see accident environment for more than 5 min.
4) This is Westinghouse proprietary information. For Values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-464 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) NON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 50EP1041 BCXANS SER #6804A6257A15 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN	2 HRS	22	11 Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference qualification documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-466 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER #6804A6255A19 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MSTM PLATFM 4'-8" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference qualification documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-3-468 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 50EP1041 BCXANS SER # 6804A6255A20 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 3'-9" ABOVE TURB. DECK Area 24 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN	2 HRS.	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference qualification documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-464 Component: PRESSURE TRANSMITTER FUNCTION: HIT-HELB (IN & OUT) MON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 50EP1041 BCXANS SER #6804A6255A21 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTH PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MIN	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2 X 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference qualification documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. PT-4-466
Component: PRESSURE TRANSMITTER

FUNCTION: MIT-HELB (IN & OUT)
MON-LOCA/HELB (IN & OUT)

MANUFACTURER: FISHER & PORTER

MODEL NO: 5 0EP1041 BCXANS
SER# 6804A6257A16

ACCURACY: Spec: SEE NOTE 2
Demon:

SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS.

LOCATION BY MSTM PLATFM 4'-2" ABOVE TURB. DECK

Area 17
Elev 42' (TURB. DECK)
Ref Dwg No.
Mech 5610-T-E-4061, Sh. 1, Rev. 2
Elect 5610-E-133, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MIN	2 HRS	22	11 (Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-B)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
Radiation	SEE ATTACHMENT #6	8.2 x 10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.

8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. PT-4-468 Component: PRESSURE TRANSMITTER FUNCTION: MIT-HELB (IN & OUT) NON-LOCA/HELB (IN & OUT) MANUFACTURER: FISHER & PORTER MODEL NO: 5 0EP1041 BCXANS SER#6804A6257A17 ACCURACY: Spec: SEE NOTE 2 Demon: SERVICE: STEAM PRESS.-PROVIDE S.I. SIG. & MON. PRESS. LOCATION BY MNSTM PLATFM 4'-2" ABOVE TURB. DECK Area 17 Elev 42' (TURB. DECK) Ref Dwg No. Mech 5610-T-E-4061, Sh. 1, Rev. 2 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MIN	2 HRS	22	11 Table 2 P:A-8)	SIMULTANEOUS TEST	NONE
	Temperature (°F)	212°F See Note 3	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	Atmospheric	See Note 4	Attachment #6	11 (Table 2 Page A-8)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	See Note 4	Attachment #6	11 (Page A-6)	SIMULTANEOUS TEST	NONE
	Chemical Spray	N/A	See Note 4	-	8	QUAL. TEST FOR PAINT BY AMERON	NONE
	Radiation	SEE ATTACHMENT #6	8.2×10^5 RADS	Attachment #6	5 (Appendix "A")	TEST ON SIMILAR DEVICE	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.
3) This represents peak temperature in line break area.
4) This is Westinghouse proprietary information. For values reference Qualification Documentation.

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
11. W-WCAP 7410-L VOL I OF II FIRL REPORT F-C2639 - NOV. 1969.
8. FISHER & PORTER LET. 3-6-75 WITH AMERON LAB REP# 1550a OF 3-23-72.
5. F. P. REPORT #DP2224-1 RPT #002 WITH FIRL TEST REP F-C2815, MAY, 1970.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-3-475 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 5. Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4×10^4 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-3-484 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB ABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 5. Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature (°F)	SEE ATTACHMENT #1	- SEE NOTE #2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^4 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-3-485 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10PB2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	--	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4×10^4 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. FT-3-494
Component: FLOW TRANSMITTER
FUNCTION: MITIGATE HELB (Inside/Outside)
MANUFACTURER: FISHER & PORTER
MODEL NO: 10B2496 PB BABBB-NS
ACCURACY: See Note 4
SERVICE: STEAM FLOW IN MN STEAM LINE
LOCATION INSIDE CONTAINMENT
Area 5
Elev 58
Ref Dwg No.
Mech 5610-T-E-4061, Rev. 2
Elect 5610-E-102, Rev. 7
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
Temperature (°F)	SEE ATTACHMENT #1	- SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	4 X 10^{4} R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. FT-3-495
Component:
FLOW TRANSMITTER
FUNCTION:
MITIGATE HELB (Inside/Outside)

MANUFACTURER: FISHER & PORTER

MODEL NO: 10B2496 PB BABBB-NS

ACCURACY: See Note 4

SERVICE:
STEAM FLOW IN MN STEAM LINE

LOCATION INSIDE CONTAINMENT

Area 6 .
Elev 58
Ref Dwg No.
Mech 5610-T-E-4061, Rev. 2
Elect 5610-E-105, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
Temperature (^{o}F)	SEE ATTACHMENT #1	SEE NOTE #2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE #2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	4×10^{9} R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-3-474 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature ($^{\circ}$F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^{9} R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-4-474 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-109, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^{4} R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. FT-4-475
Component:
FLOW TRANSMITTER
FUNCTION:
MITIGATE HELB (Inside/Outside)
MANUFACTURER: FISHER & PORTER
MODEL NO: 10B2496 PB BABBB-NS
ACCURACY: See Note 4
SERVICE:
STEAM FLOW IN MN STEAM LINE
LOCATION INSIDE CONTAINMENT
Area 11.
Elev 58
Ref Dwg No.
Mech 5610-T-E-4061, Rev. 2
Elect 5610-E-109, Rev. 5
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE #2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE #2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	4×10^4 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. FT-4-484
Component:
FLOW TRANSMITTER
FUNCTION:
MITIGATE HELB (Inside/Outside)
MANUFACTURER: FISHER & PORTER
MODEL NO: 10B2496 PB BABBB-NS
ACCURACY: See Note 4
SERVICE:
STEAM FLOW IN MN STEAM LINE
LOCATION INSIDE CONTAINMENT
Area 11
Elev 58
Ref Dwg No.
Mech 5610-T-E-4061, Rev. 2
Elect 5610-E-109, Rev. 5
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	4×10^4 R SEE NOTE #3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-4-485 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-109, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humidity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^4 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. FT-4-494
Component: FLOW TRANSMITTER
FUNCTION: MITIGATE HELB (Inside/Outside)
MANUFACTURER: FISHER & PORTER
MODEL NO: 10B2496 PB BABBB-NS
ACCURACY: See Note 4
SERVICE: STEAM FLOW IN MN STEAM LINE
LOCATION INSIDE CONTAINMENT
Area 11
Elev 58
Ref Dwg No.
Mech 5610-T-E-4061, Rev. 2
Elect 5610-E-109, Rev. 5
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE #2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	4×10^9 R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:

1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. FT-4-495 Component: FLOW TRANSMITTER FUNCTION: MITIGATE HELB (Inside/Outside) MANUFACTURER: FISHER & PORTER MODEL NO: 10B2496 PB BABBB-NS ACCURACY: See Note 4 SERVICE: STEAM FLOW IN MN STEAM LINE LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-T-E-4061, Rev. 2 Elect 5610-E-109, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	1 MINUTE	6 MINUTES	22	13 (TABLE A-7)	-	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE NOTE # 2	1	13 (FIG. 5.2)	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE # 2	1	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	SEE NOTE # 2	ASSUMED	13 (PARA. 5.3)	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE # 2	3	13 (PARA. 5.2)	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	4×10^{9} R SEE NOTE # 3	2	13 (TABLE A-6)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For valves reference qualification documentation.
3) Transmitter required for main steam line break protection. Qualified radiation dose exceeds that during specified operating time. See Ref. # 13 (Page 2.6).
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
13. WESTINGHOUSE W CAP-9157.
22. ANALYSIS OF OPERATING TIME COVERED IN I. E. BULLETIN 79-01B. MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. SV-3-2604
Component: Solenoid Valve Assoc. w/ POV-3-2604

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: Ser. No.: 56028R2
Cat. No.: WPL88316A44

ACCURACY: Spec: N/A Demon: N/A

SERVICE: MAIN STEAM ISOLATION

LOCATION: MAIN STEAM PLATFORM

Area 24
Elev. 54Ft. (platform)
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-131, REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:

4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. SV-3-2605
Component: Solenoid Valve Assoc. w/ POV-3-2604

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: Ser. No.: 56028R2
Cat. No.: WPLB8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MAIN STEAM ISOLATION

LOCATION: MAIN STEAM PLATFORM

Area 24
Elev 54Ft. (platform)
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-131, REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
Relative Humdity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. ASSOCIATED WITH POV-3-2604
Component: 3 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: NAT. ACME MANUF. COM. (NAMCO)

MODEL NO: D2400X2SR

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: VALVE POSITIONS AND FUNCTIONS

LOCATION: MAIN STEAM PLATFORM TOP (7'-10"), MID. (7'-5"), BOT. (5'-10")
Area 24
Elev 54 Ft.
Ref Dwg No.
Mech N/A
Elect 5610-E-131 REV. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS.	5 MINS.	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	212°F	212°F	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Relative Humdity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1×10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE 1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. SV-3-2609
Component: Solenoid Valve Assoc. w/ POV-3-2605

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: Ser. No.: 56028R2
Cat. No.: WPLB8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MAIN STEAM ISOLATION

LOCATION: MAIN STEAM PLATFORM

Area 24
Elev. 54Ft. (platform)
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-131,REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1×10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

Rev. 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-3-2610 Component: Solenoid Valve Assoc. w/POV-3-2605 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No.: 56028R2 Cat. No.: WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 24 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131,REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1×10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. ASSOCIATED WITH POV-3-2605 Component: 3 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: D2400X-2SR ACCURACY: Spec: N/A Demon: N/A SERVICE: VALVE POSITIONS AND FUNCTIONS LOCATION: MAIN STEAM PLATFORM TOP (7'-10"), MID. (71-5"), BOT. (51-10") Area 24 Elev 54 Ft. Ref Dwg No. Mech N/A Elect 5610-E-131 REV. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS.	5 MINS.	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1×10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE 1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

Rev. 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-3-2615 Component: Solenoid Valve Assoc. w/POV-3-2606 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No.: 56028R2 Cat. No.: WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 24 Elev. 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humdity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. ASSOCIATED WITH POV-3-2604 Component: 3 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAT. ACME MANF. CO, (NAMCO) MODEL NO: D2400X-2SR ACCURACY: Spec: N/A Demon: N/A SERVICE: VALVE POSITIONS AND FUNCTIONS LOCATION: MAIN STEAM PLATFORM TOP (7'-10"), MID. (7'-5"), BOT. (5'-10") Area 24 Elev 54 Ft. Ref Dwg No. Mech N/A Elect 5610-E-131 REV. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MINS.	5 MINS	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Relative Humdity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE 1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-4-2604 Component: Solenoid Valve Assoc. w/ POV-4-2604 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No.: 56028R2 Cat. No.: WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 17 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humdity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	NONE	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-4-2605 Component: Solenoid Valve Assoc. w/ POV-4-2604 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No. 56028R2 Cat. No. WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 17 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature ($^{\circ}F$)	$212^{\circ}F$	$212^{\circ}F$	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1×10^{6} RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. ASSOCIATED WITH POV-4-2604 Component: 3 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO) MODEL NO: LS (TOP)-EA17031100 LS (MID)-D2400X LS (BOT)-D2400X-2 ACCURACY: Spec: N/A Demon: N/A SERVICE: VALVE POSITIONS & FUNCTIONS LOCATION MN STM PLATFORM TOP (7'-10"), MID. (7'-5"), BOT. (5'-10") Area 17 Elev 54 Ft. Ref Dwg No. Mech N/A Elect 5610-E-133, REV. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS.	5 MINUTES	22	50	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°	212°	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE. SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:

22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-4-2609 Component: Solenoid Valve Assoc. w/ POV-4-2605 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No. 5602BR2 Cat. No. WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 17 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. SV-4-2610
Component: Solenoid Valve Assoc. w/POV-4-2605

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: Ser. No.: 56028R2
Cat. No.: WP1B8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: MAIN STEAM ISOLATION

LOCATION: MAIN STEAM PLATFORM

Area 17
Elev 54Ft. (platform)
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-133, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
Relative Humdity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1×10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. ASSOCIATED WITH POV-4-2605
Component: 3 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO)

MODEL NO: LS (TOP)-D2400X-2SR LS (MID)-2400X-2SR
LS (BOT)-2400X-SR

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: VALVE POSITIONS & FUNCTIONS

LOCATION MN STM PLATFORM
TOP (7'-10"), MID. (7'-5"), BOT. (5'-10")
Area 17
Elev 54 Ft.
Ref Dwg No.
Mech N/A
Elect 5610-E-133, REV. 8

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS.	5 MINUTES	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	212°	212°	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Relative Humidity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-4-2614 Component: Solenoid Valve Assoc. w/ POV-4-2606 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No.: 56028R2 Cat. No.: WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 17 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133,REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humidity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	----	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)
	NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)						

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN STEAM PLANT ID NO. SV-4-2615 Component: Solenoid Valve Assoc. w/POV-4-2606 FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Ser. No.: 56028R2 Cat. No.: WPLB8316A44 ACCURACY: Spec: N/A Demon: N/A SERVICE: MAIN STEAM ISOLATION LOCATION: MAIN STEAM PLATFORM Area 17 Elev 54Ft. (platform) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
	Temperature (°F)	212°F	212°F	ATTACHMENT 6	48	Engineering Analysis	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	48	Engineering Analysis	NONE
	Relative Humdity (%)	100%	100%	ATTACHMENT 6	48	Engineering Analysis	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE (SEE NOTE 1)
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE (SEE NOTE 1)

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN STEAM
PLANT ID NO. ASSOCIATED WITH POV-4-2606
Component: 3 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAT. ACME MANUF. CO. (NAMCO)

MODEL NO: LS (TOP)-D2400X-2SR LS(MID)-D2400X-2SR
LS (BOT)-D2400X-2SR
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: VALVE POSITIONS & FUNCTIONS

LOCATION MN STM PLATFORM
TOP (7'-10"), MID.(7'-5"), BOT.(5'-10")
Area 17
Elev 54 Ft.
Ref Dwg No.
Mech N/A
Elect 5610-E-133, REV. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS.	5 MINUTES	22	50	ENGINEERING ANALYSIS	NONE
Temperature (°F)	212°	212°	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Relative Humidity (%)	100%	100%	ATTACHMENT 6	N/A	ENGINEERING ANALYSIS	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	NOT REQUIRED	1 x 10^6 RADS	ATTACHMENT 6	50	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1. In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCH.

SECTION C2-6

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: EXTRACTION & AUXILIARY STEAM

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
6-1	MOV-3-1403	VALVE MOTOR OPERATOR	0	5/2/80	
6-2	MOV-3-1404	VALVE MOTOR OPERATOR	↓	↓	
6-3	MOV-3-1405	VALVE MOTOR OPERATOR	↓	↓	
6-4	MOV-4-1403	VALVE MOTOR OPERATOR	↓	↓	
6-5	MOV-4-1404	VALVE MOTOR OPERATOR	↓	↓	
6-6	MOV-4-1405	VALVE MOTOR OPERATOR	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: EXT. & AUX. STEAM PLANT ID NO. MOV-3-1403 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-00; OPERATOR-S # 282374 MOTOR-S #A224352; INSUL.CLASS - B ACCURACY: Spec: N/A Demon: N/A SERVICE: STEAM STOP VALVES TO AUX. FEEDWATER PUMPS LOCATION BELOW MS PLT. 3'-10" ABOVE DECK Area 24 Elev 42' (DECK) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131 (REV 12) Flood Level Elev: NA Above Flood Level: NA Yes ____ No ____	Operating Time	1/2 HR.	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	212°F	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	ATMOSPHERIC	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	SEE ATTACHMENT 6	15	Simultaneous Type Test	NONE
	Chemical Spray	N/A	SEE NOTE 2	---	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	N/A	SEE NOTE 2	SEE ATTACHMENT 6	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Respcase)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
14. WESTINGHOUSE WCAP-7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L-, VOL. I, APPENDIX D, FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: EXT. & AUX. STEAM PLANT ID NO. MOV-3-1404 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-500; OPERATOR-S #146589 OPERATOR-S #AZ24370; INSUL,CLASS-B ACCURACY: Spec: NA Demon: SERVICE: STEAM STOP VALVES TO AUX. FEEDWATER PUMPS LOCATION BELOW MS PLAT. 3'-10" ABOVE DECK Area 24 Elev 42' (Deck) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131 (REV 12) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	1/2 HOUR	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	212°F	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	ATMOSPHERIC	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	SEE ATTACHMENT 6	15	Simultaneous Type Test	NONE
	Chemical Spray	N/A	SEE NOTE 2	---	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	N/A	;SEE NOTE 2	SEE ATTACHMENT 6	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (*Will Be Addressed in Ph. II Response*)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
14. WESTINGHOUSE WCAP-7410-L-, VOL.I, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L-, VOL.I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: EXT. & AUX. STEAM PLANT ID NO. MOV-3-1405 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-500; OPERATOR-S #146588; MOTOR-S #AZ24360; INSUL. CLASS - B ACCURACY: Spec: NA Demon: SERVICE: STEAM STOP VALVES TO AUX. FEEDWATER PUMPS LOCATION BELOW MS PLAT. 3'-10" ABOVE DECK Area 24 Elev 42' (Deck) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131 (REV 12) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	1/2 HOUR	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	212°F	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	ATMOSPHERIC	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	SEE ATTACHMENT 6	15	Simultaneous Type Test	NONE
	Chemical Spray	N/A	SEE NOTE 2	---	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	N/A	SEE NOTE 2	SEE ATTACHMENT 6	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
14. WESTINGHOUSE WCAP-7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: EXT. & AUXILIARY STEAM
PLANT ID NO. MOV-4-1403
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB MITIGATE (IN & OUT)

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-500
Operator: S#148079 Motor: S#447025CW
Insul: Class-B
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: STEAM STOP VALVES TO AUXILIARY FEEDWATER PUMPS

LOCATION: BELOW MAIN STEAM PLATFORM
4'-0" Above Deck
Area 17
Elev 42 Ft. (Deck)
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-133, Rev. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	½ Hour	5 Hours	22	28	Simultaneous Test	NONE
Temperature (°F)	212°F.	212°F.	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	Atmospheric	7 In. Water Gage	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
Relative Humidity (%)	100%	100%	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	See Attachment #6	NONE	----	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: EXT. & AUX. STEAM PLANT ID NO. MOV-4-1404 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR-LIMITORQUE MOTOR-PEERLESS MODEL NO: SMB-500; OPERATOR-S #149570 MOTOR- S #AZ24365; INSUL.CLASS - B ACCURACY: Spec: NA Demon: SERVICE: STEAM STOP VALVES TO AUX. FEEDWATER PUMPS LOCATION BELOW MS PLAT. 4'-0" ABOVE DECK Area 17 Elev 42' (Deck) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133 (REV 8) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	1/2 HOUR	SEE NOTE 2	22	15 (P. D-10)	Simultaneous Type Test	NONE
	Temperature (°F)	212°F	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-20)	Simultaneous Type Test	NONE
	Pressure (PSIA)	ATMOSPHERIC	SEE NOTE 2	SEE ATTACHMENT 6	15 (P. D-10, D-20)	Simultaneous Type Test	NONE
	Relative Humdity (%)	100%	SEE NOTE 2	SEE ATTACHMENT 6	15	Simultaneous Type Test	NONE
	Chemical Spray	N/A	SEE NOTE 2	---	15 (P. D-8, D-10)	Simultaneous Type Test	NONE
	Radiation	N/A	SEE NOTE 2	SEE ATTACHMENT 6	14 (P. 5-4)	Sequential Test on Same Device	NONE
	Aging	NOT REQUIRED	SEE NOTE 2	---	14 (P. 5-2)	Sequential Test on Same Device	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
14. WESTINGHOUSE WCAP-7410-L-, VOL. I, SECTION 5.
15. WESTINGHOUSE WCAP-7410-L-, VOL. I, APPENDIX D FIRL F-C2485-01.
22. ANALYSIS OF OPER. TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: EXT. & AUXILIARY STEAM PLANT ID NO. MOV-4-1405 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB MITIGATE (IN & OUT) MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO:SMB-500 Operator:S#149568 Motor: S#447025-CW Insul: Class-B ACCURACY: Spec: N/A Demon: N/A SERVICE: STEAM STOP VALVES TO AUXILIARY FEEDWATER PUMPS LOCATION: BELOW MAIN STEAM PLATFORM 4'-0" Above Deck Area 17 Elev 42 Ft. (Deck) Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, Rev. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	½ Hour	5	22	28	Simultaneous Test	NONE
	Temperature (°F)	212°F.	212°F.	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	Atmospheric	7 Inch Water Gage	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100%	See Attachment #6	28 (Page 3-6)	Simultaneous Test	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	NONE	See Attachment #6	NONE	---	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

SECTION C2-7

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: FEEDWATER

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
7-1	LT-3-474	LEVEL TRANSMITTER	0	5/2/80	
7-2	LT-3-475	LEVEL TRANSMITTER			
7-3	LT-3-476	LEVEL TRANSMITTER			
7-4	LT-3-484	LEVEL TRANSMITTER			
7-5	LT-3-485	LEVEL TRANSMITTER			
7-6	LT-3-486	LEVEL TRANSMITTER			
7-7	LT-3-494	LEVEL TRANSMITTERR			
7-8	LT-3-495	LEVEL TRANSMITTER			
7-9	LT-3-496	LEVEL TRANSMITTER			
7-10	LT-4-474	LEVEL TRANSMITTER			
7-11	LT-4-475	LEVEL TRANSMITTER			
7-12	LT-4-476	LEVEL TRANSMITTER			
7-13	LT-4-484	LEVEL TRANSMITTER			
7-14	LT-4-485	LEVEL TRANSMITTER			
7-15	LT-4-486	LEVEL TRANSMITTER			
7-16	LT-4-494	LEVEL TRANSMITTER			
7-17	LT-4-495	LEVEL TRANSMITTER			
7-18	LT-4-496	LEVEL TRANSMITTER			
7-19	SV-3-2900	SOLENOID VALVE ASSOC. WITH CV-3-2900			
7-20	SV-3-2902	SOLENOID VALVE ASSOC. WITH CV-3-2901	↓	↓	

SECTION C2-7

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: FEEDWATER

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
7-21	SV-3-2904	SOLENOID VALVE ASSOC. WITH CV-3-2902	0	5/2/80	
7-22	SV-4-2900	SOLENOID VALVE ASSOC. WITH CV-4-2900	↓	↓	
7-23	SV-4-2902	SOLENOID VALVE ASSOC. WITH CV-4-2901	↓	↓	
7-24	SV-4-2904	SOLENOID VALVE ASSOC. WITH CV-4-2902	↓	↓	
7-25	DPS-3-2900	DIFFERENTIAL PRESSURE SWITCH	↓	↓	
7-26	DPS-3-2901	DIFFERENTIAL PRESSURE SWITCH	↓	↓	
7-27	DPS-3-2902	DIFFERENTIAL PRESSURE SWITCH	↓	↓	
7-28	DPS-4-2900	DIFFERENTIAL PRESSURE SWITCH	↓	↓	
7-29	DPS-4-2901	DIFFERENTIAL PRESSURE SWITCH	↓	↓	
7-30	DPS-4-2902	DIFFERENTIAL PRESSURE SWITCH	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-3-474
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6257A68 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-104, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-3-475 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6257A71 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 6 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-104, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature ($^{\circ}$F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^{8}R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-3-476
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6257A79 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-104, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-3-484 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6255A74 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-110, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8 R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-3-485 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6255A75 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-110, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-3-486
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6255A76 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-110, Rev. 8

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature ($^{\circ}$F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^{8}R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-3-494
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6255A68 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-104, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-3-495
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6255A78 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-104, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-3-496 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6255A79 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 5 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-104, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT.ID NO.: LT-4-474
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6257A71 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-111, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO. : LT-4-475 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #7309A2752A1 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 12 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-111, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-4-476 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6257A70 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 12 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-111, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-4-484 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #7110A5531A12 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E- Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in Ph. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-4-485 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6255A77 (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 11 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-108, Rev. 8 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-4-486
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6804A6257A73 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 11
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-108, Rev. 8

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in Ph. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MAIN FEEDWATER PLANT ID NO.: LT-4-494 Component: LEVEL TRANSMITTER FUNCTION: MITIGATE LOCA/HELB (I/O) MONITOR LOCA/HELB (I/O) MANUFACTURER: FISHER & PORTER MODEL NO: 13D2495KBBABBB-NS (HI-TEMP) SR #6804A6257A (HI-RAD) ACCURACY: Spec: Demon: SEE NOTE #2 SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG. LOCATION INSIDE CONTAINMENT Area 12 Elev 30'-6" Ref Dwg No. Mech 5610-T-E-4062, Sht. 2, Rev. 3 Elect 5610-E-111, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
	Relative Humidity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
	Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MAIN FEEDWATER
PLANT ID NO.: LT-4-495
Component: LEVEL TRANSMITTER

FUNCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

MANUFACTURER: FISHER & PORTER

MODEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #7110A5531A11 (HI-RAD)
ACCURACY: Spec:
Demon: SEE NOTE #2

SERVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 30'-6"
Ref Dwg No.
Mech 5610-T-E-4062, Sht. 2, Rev. 3
Elect 5610-E-111, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2×10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

CILITY: TURKEY POINT
IT: 3 & 4
CKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

STEM: MAIN FEEDWATER
ANT ID NO.: LT-4-496
Component: LEVEL TRANSMITTER

NCTION: MITIGATE LOCA/HELB (I/O)
MONITOR LOCA/HELB (I/O)

NUFACTURER: FISHER & PORTER

DEL NO: 13D2495KBBABBB-NS (HI-TEMP)
SR #6904A6257A76 (HI-RAD)
CURACY: Spec:
Demon: SEE NOTE #2

RVICE: MONITOR STEAM GENERATOR WATER LEVEL AND PROVIDE ACCIDENT TRIP SIG.

CATION INSIDE CONTAINMENT

ea 12
lev 30'-6"
f Dwg No.
ch 5610-T-E-4062, Sht. 2, Rev. 3
lect 5610-E-111, Rev. 5

lood Level Elev: 19'-0"
bove Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hours	7 Hrs - Test 24 Hrs - Anal.	22	7 (Fig 3-6) 36	Simultaneous Test & Mathematical Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	320° (1 Hr) 293° (2 Hr) 227° (3½ Hr) 281° (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	75 PSIG (1 Hr) 45 PSIG (2 Hr) 5 PSIG (3½ Hr) 35 PSIG (½ Hr)	1	7 (Fig 3-6)	Simultaneous Test	NONE
Relative Humdity (%)	100%	100% Saturated Steam	ASSUMED	7 (Page 2)	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	15000 PPM Boric Acid Neutralized to pH 10.5	3	8	QUAL. TEST for Paint by Ameron	NONE
Radiation	SEE ATTACHMENT #3	1.2 x 10^8R	2	6	Test on Similar Device	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the PSAR aging and submergence were not considered environmental parameters.(Will Be Addressed in PH. II Response)
2) Accuracy held as an open item for resolution in Phase II.

DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-7901B MASTER LIST.
36. QUALIFICATION OF F&P TRANSMITTERS - ANALYSIS TO EXTRAPOLATE TEST RESULTS.
6. FISHER & PORTER REPORT #DP 2224-1 RPT-004 DATED 10-22-73.
7. F&P TEST REPORT 2204-51-B-006.
8. FISHER & PORTER LETTER 3-6-75 WITH AMERON LAB REP #1550a of 3/23/72

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-3-2900
Component: Solenoid Valve Assoc. W/CV-3-2900

FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
Cat. No. 8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION FEEDWATER PLATFORM
8" Above Platform
Area 24
Elev 40 ft platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-131,REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment 6	48	Engineering Analysis	NONE
Relative Humdity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	$1x10^6$ RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	Not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
22. Analysis of operating time for devices covered in IE Bulletin 79-01B Master List.
48. Qualification of solenoid valve in auxiliary building and steam line break areas.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-3-2902
Component: Solenoid Valve Assoc. w/CV-3-2901

FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
Cat. No. 8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION: FEEDWATER PLATFORM
8" Above Platform
Area 24
Elev. 40 ft platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-131,REV 12

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment 6	48	Engineering Analysis	NONE
Relative Humidity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	1×10^6 RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	Not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response).

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-3-2904
Component: Solenoid Valve Assoc. w/CV-3-2902

FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
Cat. No. 8316A44

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION FEEDWATER PLATFORM
8" Above Platform

Area 24
Elev 40 ft platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-131-REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment 6	48	Engineering Analysis	NONE
Relative Humidity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	1×10^6 RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-4-2900
Component: Solenoid Valve Assoc. w/ CV-4-2900

FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
CAt. No. 8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION FEEDWATER PLATFORM
1'-2" Above Platform
Area 17
Elev 42 ft Platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-133,REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment 6	48	Engineering Analysis	NONE
Relative Humdity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	$1x10^6$ RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	Not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-4-2902
Component: Solenoid Valve Assoc. w/ CV-4-2901

FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
Cat. No. 8316A44

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION FEEDWATER PLATFORM
1'-3" Above Platform
Area 17
Elev 42 FT platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-133,REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (^{o}F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment6	48	Engineering Analysis	NONE
Relative Humidity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	$1x10^{6}$ RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	Not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. SV-4-2904
Component: Solenoid Valve Assoc. w /CV-4-2902
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 67619R
Cat. No. 8316A44
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Feedwater flow to steam generator

LOCATION: FEEDWATER PLATFORM
1'-2" Above Platform
Area 17
Elev 42 ft platform
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-133, REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ___
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	5 MINUTES	22	48	Engineering Analysis	NONE
Temperature (°F)	212°	212°	See Attachment 6	48	Engineering Analysis	NONE
Pressure (PSIA)	Atmospheric	Atmospheric	See Attachment 6	48	Engineering Analysis	NONE
Relative Humdity (%)	100%	100%	See Attachment 6	48	Engineering Analysis	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Not required	1x10^6 RADS	See Attach. 6	48	Engineering Analysis	NONE
Aging	Not required	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. DPS-3-2900
Component: DIFFERENTIAL PRESSURE SWITCH
FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: SERIAL #22436443
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: MEASURE PRESSURE ACROSS FEEDWATER CONTROL VALVE
LOCATION FEEDWATER PLATFORM
5'-3" ABOVE PLATFORM
Area 24
Elev 40'
Ref Dwg No.
Mech : 5610-T-E-4062
Elect 5610-E-131 REV. 12

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
Temperature ($^{\circ}$F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Relative Humidity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR again and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. DPS-3-2901
Component: DIFFERENTIAL PRESSURE SWITCH
FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: ERIAL # 224-51662
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: MEASURE PRESSURE ACROSS FEEDWATER CONTROL VALVE
LOCATION FEEDWATER PLATFORM
5'-3" ABOVE PLATFORM
Area 24
Elev 40'
Ref Dwg No.
Mech : 5610-T-E-4062
Elect 5610-E-131 REV. 12
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
Temperature (°F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Relative Humdity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR again and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. DPS-3-2902
Component: DIFFERENTIAL PRESSURE SWITCH
FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: SERIAL # 224-41130
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: MEASURE PRESSURE ACROSS FEEDWATER CONTROL VALVE
LOCATION FEEDWATER PLATFORM
5'-3" ABOVE PLATFORM
Area 24
Elev 40'
Ref Dwg No.
Mech : 5610-T-E-4062
Elect 5610-E- 131 REV. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
Temperature (°F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Relative Humdity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: FEEDWATER PLANT ID NO. Component: DPS-4-2900 DIFFERENTIAL PRESSURE SWITCH FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: ITT BARTON MODEL NO: SERIAL # 224-36440 ACCURACY: Spec: N/A Demon: N/A SERVICE: MEASURE PRESSURE ACROSS FEED-WATER CONTROL VALVE LOCATION: FEEDWATER PLATFORM 5'-3" ABOVE PLATFORM Area 17 Elev 38' Ref Dwg No. Mech : 5610-T-E-4062 Elect 5610-E-133 REV. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
	Temperature (°F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
	Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
	Relative Humdity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR again and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. DPS-4-2901
Component: DIFFERENTIAL PRESSURE SWITCH
FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: SERIAL # 224-36442
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: MEASURE PRESSURE ACROSS FEEDWATER CONTROL VALVE
LOCATION FEEDWATER PLATFORM
5'-3" ABOVE PLATFORM
Area 17
Elev 38'
Ref Dwg No.
Mech : 5610-T-E-4062
Elect 5610-E-133 REV. 8
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
Temperature (°F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Relative Humidity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR again and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B.MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: FEEDWATER
PLANT ID NO. DPS-4-2902
Component: DIFFERENTIAL PRESSURE SWITCH
FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: ITT BARTON
MODEL NO: SERIAL # 288A-11494
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: MEASURE PRESSURE ACROSS FEEDWATER CONTROL VALVE
LOCATION FEEDWATER PLATFORM 5'-3" ABOVE PLATFORM
Area 17
Elev 38'
Ref Dwg No.
Mech : 5610-T-E-4062
Elect 5610-E-133 REV. 8
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	NONE	22	NONE	NONE	NOTE 2
Temperature (°F)	212° F	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Relative Humdity (%)	100%	NONE	SEE ATTACHMENT 6	NONE	NONE	NOTE 2
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT 6	NONE	NONE	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR again and submergence were not considered environmental parameters. (Will be addressed in Phase II Response)
2) Research on qualification data in progress. Will be addressed in Phase II Response.

*DOCUMENT REFERENCES: 22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

SECTION C2-8

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
8-1	MOV-3-1410	VALVE MOTOR OPERATOR	0	5/2/80	
8-2	3N1410	LOCAL CONTROL STATION			
8-3	MOV-3-1411	VALVE MOTOR OPERATOR			
8-4	3N1411	LOCAL CONTROL STATION			
8-5	MOV-3-1412	VALVE MOTOR OPERATOR			
8-6	3N1412	LOCAL CONTROL STATION			
8-7	MOV-4-1410	VALVE MOTOR OPERATOR			
8-8	4N1410	LOCAL CONTROL STATION			
8-9	MOV-4-1411	VALVE MOTOR OPERATOR			
8-10	4N1411	LOCAL CONTROL STATION			
8-11	MOV-4-1412	VALVE MOTOR OPERATOR			
8-12	4N1412	LOCAL CONTROL STATION			
8-13	SV-3-2914	SOLENOID VALVE - ASSOC. W/CV-3-2816 & CV-3-2831			
8-14	SV-3-2915	SOLENOID VALVE - ASSOC. W/CV-3-2816 & CV-3-2831			
8-15	SV-3-2916	SOLENOID VALVE - ASSOC. W/CV-3-2817 & CV-3-2832			
8-16	SV-3-2917	SOLENOID VALVE - ASSOC. W/CV-3-2817 & CV-3-2832			
8-17	SV-3-2918	SOLENOID VALVE - ASSOC. W/CV-3-2818 & CV-3-2833			
8-18	SV-3-2919	SOLENOID VALUE - ASSOC. W/CV-3-2818 & CV-3-2833			
8-19	SV-4-2914	SOLENOID VALUE - ASSOC. W/CV-4-2816 & CV-4-2831			
8-20	SV-4-2915	SOLENOID VALUE - ASSOC. W/CV-4-2816 & CV-4-2831			

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION
WORK SHEETS

SYSTEM: CONDENSATE & FEEDWATER AUXILIARY

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
8-21	SV-4-2916	SOLENOID VALVE - ASSOC. W/CV-4-2817 & CV-4-2832	0	5/2/80	
8-22	SV-4-2917	SOLENOID VALUE - ASSOC. W/CV-4-2817 & CV-4-2832			
8-23	SV-4-2918	SOLENOID VALVE - ASSOC. W/CV-4-2818 & CV-4-2833			
8-24	SV-4-2919	SOLENOID VALVE - ASSOC. W/CV-4-2818 & CV-4-2833			

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COND. & FW AUX. PLANT ID NO. MOV-3-1410 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO.: SMB-000 OPERATOR: S#88365A MOTOR: S#5909 INSUL.: Class B ACCURACY: Spec: N/A Demon: N/A SERVICE: STEAM GENERATOR BLOWDOWN LOCATION : BLOWDOWN TANK AREA, 2' ABOVE (GROUND) Area 24 Elev 18' (GROUND) Ref Dwg No. Mech 5610-T-E-4062 Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR againg and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:

22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COND. & FW AUX PLANT ID NO. 3N1410 Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton - 2008 Ind. Light - 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR MOV-3-1410 LOCATION BLOWDOWN AREA, 3'-8" ABOVE GROUND Area 24 Elev 18' (GROUND) Ref Dwg No. Mech : N/A Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	1 x 10^6 RADS	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COND. & FW AUX.
PLANT ID NO. MOV-3-1411
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO.: SMB-000
OPERATOR: S#86977A
MOTOR: S#447021-NA
INSUL: Class B
ACCURACY: Spec: N/A Demon: N/A
SERVICE: STEAM GENERATOR BLOWDOWN

LOCATION: BLOWDOWN TANK AREA
2' ABOVE GROUND
Area 24
Elev 18' (GROUND)
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-131, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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Rev. 0

EQUIPMENT DESCRIPTION

SYSTEM: COND. & FW AUX.
PLANT ID NO. 3N1411
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: Pushbutton - 2008
Ind. Light - 2568
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR MOV-3-1411

LOCATION BLOWDOWN
AREA, 3'-8" ABOVE GROUND
Area 24
Elev 18' (GROUND)
Ref Dwg No.
Mech : N/A
Elect 5610-E-131, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	1 x 10^6 RADS	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COND. & FW AUX.
PLANT ID NO. MOV-3-1412
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-000
OPERATOR: S#86976A
MOTOR: S#5750
INSUL: Class B
ACCURACY: Spec.: N/A Demon: N/A
SERVICE: STEAM GENERATOR BLOWDOWN

LOCATION: BLOWDOWN TANK AREA
2'-0" ABOVE GROUND
Area 24
Elev 18' (GROUND)
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-131, Rev. 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONDENSATE & FEEDWATER AUXILIARY PLANT ID NO. 3N1412 Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton - 2008 Ind. Light - 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR MOV-3-1412 LOCATION BLOWDOWN AREA, 3'-8" ABOVE GROUND Area 24 Elev 18' (GROUND) Ref Dwg No. Mech : N/A Elect 5610-E-131, Rev. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	1×10^6 RADS	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COND. & FW AUX. PLANT ID NO. MOV-4-1410 Component: VALVE MOTOR OPERATOR FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: OPERATOR: LIMITORQUE MOTOR: RELIANCE MODEL NO: SMB-000 OPERATOR: S#94623A MOTOR: S#447021-NA INSUL: Class B ACCURACY: Spec: N/A Demon: N/A SERVICE: STEAM GENERATOR BLOWDOWN LOCATION: BLOWDOWN TANK AREA 2'-4" ABOVE GROUND Area 17 Elev 17'-6" (GROUND) Ref Dwg No. Mech 5610-T-E-4062 Elect 5610-E-71, Rev. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COND. & FW AUX. PLANT ID NO. 4N1410 Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: HACKWORTH G. REES DIV. MODEL NO: Pushbutton - 2008 Ind. Light - 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR MOV-4-1410 LOCATION BLOWDOWN AREA, 4'-4" ABOVE AGROUND Area 17 Elev 17'-6" (GROUND) Ref Dwg No. Mech : N/A Elect 5610-E-71, Rev. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	1 x 10^6 RADS	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF HACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: COND. & FW AUX.
PLANT ID NO. MOV-4-1411
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-000
OPERATOR: S#94622A
MOTOR: S#447021-BZ
INSUL: Class B
ACCURACY: Spec: N/A Demon: N/A
SERVICE:
STEAM GENERATOR BLOWDOWN

LOCATION: BLOWDOWN TANK AREA
2'-4" ABOVE FLOOR
Area 17
Elev 17'-6" (GROUND)
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-71, Rev. 9

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IT BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: COND. & FW AUX. PLANT ID NO. 4N1411 Component: LOCAL CONTROL STATION FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: MACKWORTH G. REES DIV. MODEL NO: Pushbutton - 2008 Ind. Light - 2568 ACCURACY: Spec: N/A Demon: N/A SERVICE: LOCAL CONTROL FOR MOV-4-1411 LOCATION BLOWDOWN AREA, 4'-4" ABOVE GROUND Area 17 Elev 17'6" (GROUND) Ref Dwg No. Mech : N/A Elect 5610-E-71, Rev. 9 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	N/A	1×10^6 RADS	SEE ATTACHMENT #6	38	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: COND. & FW AUX.
PLANT ID NO. MOV-4-1412
Component: VALVE MOTOR OPERATOR

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: OPERATOR: LIMITORQUE
MOTOR: RELIANCE
MODEL NO: SMB-000
OPERATOR: S#94621A
MOTOR: S#447021-NA
INSUL: Class B
ACCURACY: Spec: N/A Demon: N/A
SERVICE: STEAM GENERATOR BLOWDOWN

LOCATION: BLOWDOWN TANK AREA
2'-4" ABOVE GROUND
Area 17
Elev 17'-6" (GROUND)
Ref Dwg No.
Mech 5610-T-E-4062
Elect 5610-E-71, Rev. 9

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR.	5 HRS.	22	28	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	212°F	212°F	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	ATMOSPHERIC	7" WATER GAGE	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Relative Humidity (%)	100%	100%	SEE ATTACHMENT #6	28 (Pg. 3-6)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	NONE	SEE ATTACHMENT #6	NONE	---	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1. In the FSAR aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)

*DOCUMENT REFERENCES:
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT. FIRL F-C3271.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONDENSATE & FEEDWATER AUXILIARY
PLANT ID NO. 4N1412
Component: LOCAL CONTROL STATION

FUNCTION: LOCA/HELB (IN & OUT) MITIGATE

MANUFACTURER: MACKWORTH G. REES DIV.

MODEL NO: Pushbutton - 2008
Ind. Light - 2568
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: LOCAL CONTROL FOR MOV-4-1412

LOCATION BLOWDOWN
AREA, 4'-4" ABOVE GROUND
Area 17
Elev 17'-6" (GROUND)
Ref Dwg No.
Mech : N/A
Elect 5610-E-71, REV. 9

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HR.	1/2 HR.	SEE NOTE 2	38	ENGINEERING ANALYSIS	NONE
Temperature (^{o}F)	212^{o}F	212^{o}F	SEE ATTACHMENT 6	38	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	ATMOSPHERIC	SEE ATTACHMENT 6	38	ENGINEERING ANALYSIS	NONE
Relative Humidity (%)	100%	100%	SEE ATTACHMENT 6	38	ENGINEERING ANALYSIS	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	N/A	1 x 10^{6} RADS	SEE ATTACHMENT 6	38	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time of associated motor.

*DOCUMENT REFERENCES: 38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

Rev. 0

EQUIPMENT DESCRIPTION

SYSTEM: Cond. & F.W. Aux.
PLANT ID NO. SV-3-2914
Component: Solenoid Valve Assoc. w/ CV-3-2816 & CV-3-2831
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 83041R
Cat. No. 8300B6111
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Auxiliary feedwater to steam generator

LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM

Area 24
Elev 39'-8" platform
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-131, REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
Temperature ($^{\circ}$F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
Radiation	Not required	1 X 10^6 RADS	See atach. 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Cond. & F.W. Aux.
PLANT ID NO. SV-3-2915
Component: Solenoid Valve Assoc. w/CV-3-2016 & CV-3-2831
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO:

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Auxiliary feedwater to steam generator

LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM

Area 24
Elev 29'-8" a platform
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-131, REV 12

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
Radiation	Not required	1X10^6 RADS	See atach. 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-3-2916 Component: Solenoid Valve Assoc. w/ CV-3-2817 CV-3-2832 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 83041R Cat. No. LBB300B61U ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-5" ABOVE PLATFORM Area 24 Elev 39'-8" platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131, REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-3-2917 Component: Solenoid Valve Assoc. w/ CV-3-2817 & CV-3-2832 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-5" ABOVE PLATFORM Area 24 Elev 39'-8" platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131,REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^{6}$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-3-2918 Component: Solenoid Valve Assoc. w/CV-3-2818 & CV-3-2833 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 52872R Cat. No. HTX8300B61U ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-1" ABOVE PLATFORM Area 24 Elev 39'-8" platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131, REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^{6}$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-3-2919 Component: Solenoid Valve Assoc. w/ CV-3-2818 & CV-3-2833 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 32277T ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-1" ABOVE PLATFORM Area 24 Elev 39'-8" platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-131, REV 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humidity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-4-2914 Component: Solenoid Valve Assoc. w/ CV-4-2816 CV-4-2831 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 32277T Cat.No. 8302C-27-RF ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM Area 17 Elev 39 FT-platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133. REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humidity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1x10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Cond. & F.W. Aux.
PLANT ID NO. SV-4-2915
Component: Solenoid Valve Assoc. w/CV-4-2816
CV-4-2831
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 32277T
Cat. No. 8302C-27-RF
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Auxiliary feedwater to steam generator

LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM

Area 17
Elev 39 ft. platform
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-133.REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-4-2916 Component: Solenoid Valve Assoc. w/ CV-4-2817 CV-4-2832 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 32277T Cat. No. 8302C-27-RF ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-6" ABOVE PLATFORM Area 17 Elev 39 ft.platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133,REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Cond. & F.W. Aux.
PLANT ID NO. SV-4-2917
Component: Solenoid Valve Assoc. w/ CV-4-2817
CV-4-2832
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 32277T
Cat. No. 8302C-27-RF
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Auxiliary feedwater to steam generator

LOCATION F.W. PLATFORM 5'-6" ABOVE PLATFORM

Area 17
Elev 39 ft. platform
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-133,REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Cond. & F.W. Aux. PLANT ID NO. SV-4-2918 Component: Solenoid Valve Assoc. w/CV-4-2818 CV-4-2833 FUNCTION: LOCA/HELB (in & out) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: Ser. No. 32277T Cat. No. 8302C-27-RF ACCURACY: Spec: N/A Demon: N/A SERVICE: Auxiliary feedwater to steam generator LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM Area 17 Elev 39 ft platform Ref Dwg No. Mech 5610-T-E-4061 Elect 5610-E-133, REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
	Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
	Relative Humdity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
	Radiation	Not required	$1X10^{6}$ RADS	See atach. 6	48	Engineering Analysis	NONE
	Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Cond. & F.W. Aux.
PLANT ID NO. SV-4-2919
Component: Solenoid Valve Assoc. w/ CV-4-2818
CV-4-2833
FUNCTION: LOCA/HELB (in & out) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: Ser. No. 32277T
Cat. No. 8302C-27-RF
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Auxiliary feedwater to steam generator

LOCATION F.W. PLATFORM 5'-3" ABOVE PLATFORM

Area 17
Elev 39 ft-platform
Ref Dwg No.
Mech 5610-T-E-4061
Elect 5610-E-133,REV 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINS	31 DAYS	22	48	Engineering Analysis	NONE
Temperature (°F)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Pressure (PSIA)	See note 2	N/A	See Note 2	N/A	N/A	NONE
Relative Humidity (%)	See Note 2	N/A	See Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	----	N/A	N/A	NONE
Radiation	Not required	$1X10^6$ RADS	See atach. 6	48	Engineering Analysis	NONE
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

SECTION C2-9

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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9-3	TE-3-3442	THERMOCOUPLE			
9-4	TE-3-3443	THERMOCOUPLE			
9-5	TE-3-3444	THERMOCOUPLE			
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SECTION C2-9

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: CONTAINMENT VENTILATION

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9-23	TE-3-3462	THERMOCOUPLE			
9-24	TE-3-3463	THERMOCOUPLE			
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SECTION C2-9

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: CONTAINMENT VENTILATION

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9-44	TE-4-3459	THERMOCOUPLE			
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9-46	TE-4-3461	THERMOCOUPLE			
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FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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9-73	SV-3-2905	SOLENOID VALVE	↓	↓	
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FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
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9-114	SV-3-2804	SOLENOID VALVE ASSOC. WITH POV-3-2601			
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9-116	SV-3-2603	SOLENOID VALVE ASSOC. WITH POV-3-2603			
9-117	SV-3-2806	SOLENOID VALVE ASSOC. WITH POV-3-2603			
9-118	---	LIMIT SWITCHES ASSOC. WITH POV-3-2603			
9-119	SV-4-2601	SOLENOID VALVE ASSOC. WITH POV-4-2601			
9-120	SV-4-2804	SOLENOID VALVE ASSOC. WITH POV-4-2601	↓	↓	

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FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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9-125	SV-3-2819	SOLENOID VALVE ASSOC. WITH POV-3-2819			
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FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3440 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-105, REV5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3441
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11-REV-12
Elect 5610-E-105,REV5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __x__
No ____

	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3442
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11-REV-12
Elect 5610-E-105,REV 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes —X—
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3443 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3444 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11,REV-12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3445 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3446
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area
Elev $5\overset{6}{8}$
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-105, REV5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __X__
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3447 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-105,REV5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3448 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3449
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11-REV 12
Elect 5610-E-1C2,REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes —X—
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3450
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV-12
Elect 5610-E-102,REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _X_
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3451 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elec 5610-E-102, REV 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3452 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-102-REV 7 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3453
Component: Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV 12
Elect 5610-E-102-REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3454
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-C-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV-12
Elect 5610-E-102, REV.7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes —X—
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3455
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV-12
Elect 5610-E-102, REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes —X—
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3456 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3457
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-105, REV 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __X__
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3458 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105, REV5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3459 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-105-REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3460 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-105,REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No _____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-3-3461
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-C-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-105-REV 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __X__
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note, 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3462 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105,REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-3-3463 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-105, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3440
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV-12
Elect 5610-E-112, REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _X_
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3441
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-112, REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3442 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-112 REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3443
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-112, REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _X_
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3444
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11, REV 12
Elect 5610-E-112, REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __X__
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3445 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11REV 12 Elect 5610-E-112,REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3446 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-112,REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. Te-4-3447 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-112, REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3448 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11,REV-12 Elect 5610-E-109,REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No _____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3449 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11, REV-12 Elect 5610-E-109-REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes —X— No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3450 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-C-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-109-REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3451 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-109, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3452 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-109,REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3453 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11, REV 12 Elect 5610-E-109, REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
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3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3454 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 11 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-109-REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3455
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 11
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV-12
Elect 5610-E-109.REV 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3456 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-112REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes —X— No ____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE, ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3457
Component: Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.
MODEL NO: 3000-E-SS12-G-T4
ACCURACY: Spec: NONE
Demon:
SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV 12
Elect 5610-E-112,REV 6

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respons
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3458 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-112,REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes __X__ No _____	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

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2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3459 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-112,REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _x_ No ___	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response).
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3460
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV 12
Elect 5610-E-112,REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes __X__
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3461
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV 12
Elect 5610-E-112,REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. TE-4-3462
Component:
Temp. Element-Thermocouple
FUNCTION: Measure Temperture

MANUFACTURER: Conax Corp.

MODEL NO: 3000-E-SS12-G-T4

ACCURACY: Spec: NONE
Demon:

SERVICE: Cont. Vent. Sys. Charcoal filter temp.

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11,REV 12
Elect 5610-E-112,REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _X_
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. TE-4-3463 Component: Temp. Element-Thermocouple FUNCTION: Measure Temperture MANUFACTURER: Conax Corp. MODEL NO: 3000-E-SS12-G-T4 ACCURACY: Spec: NONE Demon: SERVICE: Cont. Vent. Sys. Charcoal filter temp. LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,REV 12 Elect 5610-E-112,REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HRS	72 HRS.	22	32	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	32	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	32	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	32	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	32	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not Required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref.#32) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B master List.
32. Charcoal filter temperature elements-environmental qualification analysis.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SEE TB 3115
Component: REFERENCE JUNCTION BOXES
FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR
MANUFACTURER: CONSOLIDATED OHMIC DEVICES INC.
MODEL NO: EZT 213
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE REFERENCE JUNCTION POINTS FOR THERMOCOUPLES TC 3440-3463.
LOCATION INSIDE CONTAINMENT

Area 5
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-100 REV 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____ Note 2
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hrs.	None	22	None	None	See Note 3
Temperature (°F)	SEE ATTACHMENT #1	None	1	None	None	See Note 3
Pressure (PSIA)	SEE ATTACHMENT #2	None	1	None	None	See Note 3
Relative Humdity (%)	100 %	None	ASSUMED	None	None	See Note 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None	3	None	None	See Note 3
Radiation	SEE ATTACHMENT #3	None	2	None	None	See Note 3
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Actual elevation will be determined by containment walkdown.
3) No qualification data available. Qualified replacements will be installed during unit refueling outage after procurement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SEE TB 4115
Component: REFERENCE JUNCTION BOXES

FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR

MANUFACTURER: CONSOLIDATE OHMIC DEVICES INC.

MODEL NO: EZT 213

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE REFERENCE JUNCTION POINTS FOR THERMOCOUPLES TC 4440-4463)
LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-107 REV 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ______ Note 2
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hrs.	None	22	None	None	See Note 3
Temperature (°F)	SEE ATTACHMENT #1	None	1	None	None	See Note 3
Pressure (PSIA)	SEE ATTACHMENT #2	None	1	None	None	See Note 3
Relative Humdity (%)		None	ASSUMED	None	None	See Note 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None	3	None	None	See Note 3
Radiation	SEE ATTACHMENT #3	None	2	None	None	See Note 3
Aging	NOT REQUIRED	None	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Actual elevation will be determined by containment walkdown.
3) No qualification data available. Qualified replacements will be installed during unit refueling outage after procurement

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. RD-3-11 Component: RADIATION DETECTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: TRACER LAB MODEL NO: MK-16A (V-4B) SERIAL NO: 18244-1 ACCURACY: Spec: NOTE 4 Demon: SERVICE: CONTAINMENT - AIR PARTICLE MONITOR LOCATION N-S HALLWAY Area 9 Elev 18' Ref Dwg No. Mech : 5610-M-11 Elect 5610-E-115 REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^4 RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress. Will be addressed in Phase II reponse.
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. RD-3-12 Component: RADIATION DETECTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: TRACER LAB MODEL NO: MX-16A (V-4B) SERIAL NO: 18244-1 ACCURACY: Spec: Demon: NOTE 4 SERVICE: CONTAINMENT GAS MONITOR LOCATION N-S HALLWAY Area 9 Elev 18' Ref Dwg No. Mech : 5610-M-11 Elect 5610-E-115 REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^4 RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress. Will be addressed in Phase II reponse.
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. RD-4-11 Component: RADIATION DETECTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: TRACER LAB MODEL NO: MK-16A (V-4B) SERIAL NO: ~18244-2 ACCURACY: Spec: Demon: NOTE 4 SERVICE: CONTAINMENT . AIR PARTICLE MONITOR LOCATION FAN ROOM Area 8 Elev 18' Ref Dwg No. Mech : 5610-M-11 Elect 5610-E-119 REV 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^4 RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress. Will be addressed in Phase II reponse.
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. RD-4-12 Component: RADIATION DETECTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: TRACER LAB MODEL NO: MK-16A (V-4B) SERIAL NO: 18244-2 ACCURACY: Spec: NOTE 4 Demon: SERVICE: CONTAINMENT. GAS MONITOR LOCATION FAN ROOM Area 8 Elev 18' Ref Dwg No. Mech: 5610-M-11 Elect 5610-E-119 REV. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 DAYS	NONE	22	NONE	NONE	NOTE 3
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5x10^4 RADS	NONE	4	NONE	NONE	NOTE 3
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Research on qualification data in progress. Will be addressed in Phase II reponse.
4) Accuracy is held as an open item for resolution in Phase II.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 3V3A
Component: CNMT EMERG FILTER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 46-26-1200 SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-105, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1×10^9 R	2	10 (R-1 Thru R-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 3V3B
Component: CNMT EMERG FILTER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 56-26-1200 SERIES 2000(N)
ACCURACY: Spec: Demon: } N/A

SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-102, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (R-1 Thru R-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. 3V3C Component: CNMT EMERG FILTER FAN MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: JOY ENGINEERING MODEL NO: 56-26-1200 SERIES 2000(N) ACCURACY: Spec: } N/A Demon: } SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-105, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
	Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None.
	Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
	Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
	Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRING (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. FS-3-1422
Component: Air Flow Switch

FUNCTION: Monitor Air Flow

MANUFACTURER: Ball Engineering Co.

MODEL NO: Series "D" Model 3500S

ACCURACY: Spec: N/A
Demon:

SERVICE: Alarm Loss of Air Flow

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev 12
Elect 5610-E-105 Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes x
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	See Note 2 NONE
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
Relative Humidity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respcase
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-3-1423 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11,Rev 12 Elect 5610-E-105 Rev. 6 Flood Level Elev: 19'-0'' Above Flood Level: Yes x No ____	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-3-1424 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes _x_ No ____	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	----	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-3-1425 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 5 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-102, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-3-1426 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11,Rev 12 Elect 5610-E-105 Rev. 6 Flood Level Elev: 19'-0'' Above Flood Level: Yes x No	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Respcase)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-3-1427 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-105 Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _x_ No ___	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2.
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
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22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-4-1422 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0'' Above Flood Level: Yes x No	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
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33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-4-1423 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0'' Above Flood Level: Yes x No ____	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
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FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: Containment Vent
PLANT ID NO. FS-4-1424
Component: Air Flow Switch

FUNCTION: Monitor Air Flow

MANUFACTURER: Ball Engineering Co.

MODEL NO: Series "D" Model 3500S

ACCURACY: Spec: N/A
Demon:

SERVICE: Alarm Loss of Air Flow

LOCATION INSIDE CONTAINMENT

Area 11
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev 12
Elect 5610-E-109, Rev. 5

Flood Level Elev: 19'-0''
Above Flood Level:

Yes x
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

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1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
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FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. FS-4-1425 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: BALL ENGINEERING COMPANY MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 11 Elev. 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-109, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	NOTE REQUIRED	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref . #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
33. CONTAINMENT VENT AIRFLOW SWITCHES - ENVIRONMENTAL QUALIFICATION ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO.FS-4-1426 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11,Rev 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0'' Above Flood Level: Yes X No ___	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humdity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: Containment Vent PLANT ID NO. FS-4-1427 Component: Air Flow Switch FUNCTION: Monitor Air Flow MANUFACTURER: Ball Engineering Co. MODEL NO: Series "D" Model 3500S ACCURACY: Spec: N/A Demon: SERVICE: Alarm Loss of Air Flow LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HOURS	72 HOURS	22	33	Engineering Analysis	NONE See Note 2
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	33	Engineering Analysis	NONE See Note 2
	Relative Humidity (%)	100%	See Note 2	ASSUMED	33	Engineering Analysis	NONE See Note 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	See Note 2	3	33	Engineering Analysis	NONE See Note 2
	Radiation	SEE ATTACHMENT #3	See Note 2	2	33	Engineering Analysis	NONE See Note 2
	Aging	NOT REQUIRED	Not required	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) No qualification tests were done by vendor. The engineering analysis (ref. #33) confirms the adequacy of the device for the environment.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. Analysis of operating times for devices covered in IEB-79-01B Master List
33. Containment vent aiflow switches- Environmental Qualification Analysis

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 4V3A.
Component: CNMT EMERG FILTER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 56-26-1200
SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-112, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT				DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification		Specification	Qualification		
Operating Time	. 72 HRS	190 HRS		22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8		1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8		1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%		ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8		3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R		2	10 (R-1 Thru R-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years		---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED		---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 4V3B
Component: CNMT EMERG FILTER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 46-26-1200 SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 11
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-109, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (R-1 Thru R-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. 4V3C Component: CNMT EMERG FILTER FAN MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: JOY ENGINEERING MODEL NO: 46-26-1200 SERIES 2000(N) ACCURACY: Spec: } N/A Demon: } SERVICE: TO REMOVE PARTICULATE & IODINE FROM POST LOCA CONTMT ATMOSPHERE LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
	Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8.	1	10 (G1 Thru G5)	Simultaneous Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
	Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
	Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-3-2905 Component: Solenoid Valves FUNCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 6 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-105 REV Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humidity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT Ventil
PLANT ID NO. SV-3-2906
Component: Solenoid Valves

FUNCTION: LOCA/HELB (inside) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: X8211-B46-SW HV-164196

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Charcoal Filter Spray Dousing Valves

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58'
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-105 REV

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
Temperature (^oF)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-3-2907 Component: Solenoid Valves FUNCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 5 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-102 REV Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humidity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-3-2908 Component: Solenoid Valves FUNCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 5 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-102 REV Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT Ventil
PLANT ID NO. SV-3-2909
Component: Solenoid Valves

FUNCTION: LOCA/HELB (inside) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: X8211-B46-SW HV-164196

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Charcoal Filter Spray Dousing Valves

LOCATION INSIDE CONTAINMENT

Area 6
Elev 58'
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-105 REV

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
Relative Humidity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-3-2910 Component: Solenoid Valves FINCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 6 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-105-REV Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature ($^{\circ}F$)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT Ventil
PLANT ID NO. SV-4-2905
Component: Solenoid Valves

FUNCTION: LOCA/HELB (inside) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: X8211-B46-SW HV-164196

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Charcoal Filter Spray Dousing Valves

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58'
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-112 REV

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-4-2906 Component: Solenoid Valves FUNCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 12 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-112 REV Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CTMT Ventil
PLANT ID NO. SV-4-2907
Component: Solenoid Valves

FUNCTION: LOCA/HELB (inside) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: X8211-B46-SW HV-164196

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Charcoal Filter Spray Dousing Valves

LOCATION INSIDE CONTAINMENT

Area 11
Elev. 58'
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-109-REV

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTIL PLANT ID NO. SV-4-2908 Component: Solenoid Valves FUNCTION: LOCA/HELB (inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 11 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-109 REV Flood Level Elev: 19'-0" Above Flood Level: Yes ______ No ______	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	.2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT Ventil
PLANT ID NO. SV-4-2909
Component: Solenoid Valves

FUNCTION: LOCA/HELB (inside) MITIGATE

MANUFACTURER: Automatic Switch Company

MODEL NO: X8211-B46-SW HV-164196

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Charcoal Filter Spray Dousing Valves

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58'
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-112 REV

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
Relative Humdity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
Radiation	SEE ATTACHMENT #3	4×10^7 RADS	2	21	Engineering Analysis	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT Ventil PLANT ID NO. SV-4-2910 Component: Solenoid Valves FUNCTION: LOCA/HELB (Inside) MITIGATE MANUFACTURER: Automatic Switch Company MODEL NO: X8211-B46-SW HV-164196 ACCURACY: Spec: N/A Demon: N/A SERVICE: Charcoal Filter Spray Dousing Valves LOCATION INSIDE CONTAINMENT Area 12 Elev 58' Ref Dwg No. Mech 5610-M-11 Elect 5610-E-112 REV Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	72 HRS	11 DAYS	22	21	Simultaneous Test and Math. Analysis	NONE
	Temperature (°F)	SEE ATTACHMENT #1	311 F	1	21	Simultaneous Test	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	60 PSIG	1	21	Simultaneous Test	NONE
	Relative Humidity (%)		100%	ASSUMED	21	Simultaneous Test	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM Boron Sol as Boric Acid	3	21	Prototype Test & Engineering Analysis	NONE
	Radiation	SEE ATTACHMENT #3	4 X 10^7 RADS	2	21	Engineering Analysis	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
21. ENGINEERING ANALYSIS OF DOUSING VALVES.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. 3V30A Component: CNMT EMERG COOLER FAN MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: JOY ENGINEERING MODEL NO: 38-26-1200 SERIES 2000(N) ACCURACY: Spec: Demon: } N/A SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-105, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	.72 HRS ..	190 HRS	22	10	Simultaneous Test	None
	Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
	Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (R-1 Thru R-4)	Engg. Analysis	None
	Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRING (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 3V30B
Component: CNMT EMERG COOLER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 38-26-1200 SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 5
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-102, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ___

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. 3V30C Component: CNMT EMERG COOLER FAN MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: JOY ENGINEERING MODEL NO: 38-26-1200 SERIES 2000(N) ACCURACY: Spec: } N/A Demon: } SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE LOCATION INSIDE CONTAINMENT Area 6 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-105, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
	Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
	Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
	Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINC (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENT PLANT ID NO. 4V30A. Component: CNMT EMERG COOLER FAN MOTOR FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: JOY ENGINEERING MODEL NO: 38-26-1200 SERIES 2000(N) ACCURACY: Spec: Demon: } N/A SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE LOCATION INSIDE CONTAINMENT Area 12 Elev 58 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect 5610-E-112, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
	Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
	Radiation	SEE ATTACHMENT #3	1×10^9 R	2	10 (R-1 Thru R-4)	Engg. Analysis	None
	Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 4V30B
Component: CNMT EMERG COOLER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 38-26-1200 SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon: }

SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 11
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-109, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS ..	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRINT (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. 4V30C
Component: CNMT EMERG COOLER FAN MOTOR
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: JOY ENGINEERING

MODEL NO: 38-26-1200 SERIES 2000(N)
ACCURACY: Spec: } N/A
Demon:

SERVICE: PROVIDE EMERGENCY COOLING OF POST LOCA CONTMT ATMOSPHERE

LOCATION INSIDE CONTAINMENT

Area 12
Elev 58
Ref Dwg No.
Mech 5610-M-11, Rev. 12
Elect 5610-E-112, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	190 HRS	22	10	Simultaneous Test	None
Temperature (°F)	SEE ATTACHMENT #1	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See P #3 of Attachment #8	1	10 (G1 Thru G5)	Simultaneous Test	None
Relative Humdity (%)	100%	100%	ASSUMED	10	Simultaneous Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	10000 PPM Boron Neutralized to PH 6.8	3	10	Simultaneous Test	None
Radiation	SEE ATTACHMENT #3	1 X 10^9 R	2	10 (B-1 Thru B-4)	Engg. Analysis	None
Aging	NOT REQUIRED	40 Years	---	10 (E1 Thru E3)	Heat Aging	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IEB-79-01B MASTER LIST
10. JOY ENGINEERING TEST REPORT 1969, VENDOR PRING (VP) 5610-M-39-41-1

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. PT-3-1622
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: Westinghouse (Motorola)

MODEL NO: Veritrak 56DP2421-0000

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Monitor Containment Pressure

LOCATION SOUTH ELEC. PENETRATION ROOM 59" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-141 REV 6

Flood Level Elev: N/A
Above Flood Level:

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	See Note 3	22	42	Engineering Analysis	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	note 2	N/A	Note 2	N/A	N/A	None
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	7.5X10^{1} RADS	See Note 3	4	42	Engineering Analysis	None
Aging	NOT REQUIRED	None	_____	None	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	None	_____	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & Humidity inside the Elec. penetration room are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT.
3) Per Ref. #42, The transmitter can withstand a much higher level of radiation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT- MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICE COVERED IN IE BULLETIN 79-01B MASTER LIST.
42. ANALYSIS OF WESTINGHOUSE PRESSURE TRANSMITTER.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. PT-3-1623
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: Westinghouse (Motorola)

MODEL NO: Veritrak 56PH2129-0000

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Monitor Containment Pressure

LOCATION SOUTH ELEC. PENETRATION ROOM 59" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-141 REV 6

Flood Level Elev: N/A
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	See Note 3	22	42	Engineering Analysis	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	note 2	N/A	Note 2	N/A	N/A	None
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	7.5X10^{1} RADS	See Note 3	4	42	Engineering Analysis	None
Aging	NOT REQUIRED	None	____	None	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	None	____	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & Humidity inside the Elec. penetration room are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT.
3) Per Ref. #42, The transmitter can withstand a much higher level of radiation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT-MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICE COVERED IN IE BULLETIN 79-01B MASTER LIST.
42. ANALYSIS OF WESTINGHOUSE PRESSURE TRANSMITTER.

FACILITY: TURKEY POINT
UNIT: 3 & 4.
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. PT-4-1622
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: Westinghouse (Motorola)

MODEL NO: Veritrak 56DP2421-0000

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Monitor Containment Pressure

LOCATION NORTH ELEC. PENETRATION ROOM 70" ABOVE PLATFORM
Area 17
Elev 33'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-141 REV 6

Flood Level Elev:
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	See Note 3	22	42	Engineering Analysis	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	note 2	N/A	Note 2	N/A	N/A	None
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	7.5X10^{1} RADS	See Note 3	4	42	Engineering Analysis	None
Aging	NOT REQUIRED	None	____	None	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	None	____	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & Humidity inside the Elec. penetration room are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT.
3) Per Ref. #42, The transmitter can withstand a much higher level of radiation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT-MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICE COVERED IN IE BULLETIN 79-01B MASTER LIST.
42. ANALYSIS OF WESTINGHOUSE PRESSURE TRANSMITTER.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENT
PLANT ID NO. PT-4-1623
Component: Pressure Transmitter

FUNCTION: LOCA/HELB (INSIDE) MONITOR

MANUFACTURER: Westinghouse (Motorola)

MODEL NO: Veritrak 56PH2129-0000

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: Monitor Containment Pressure

LOCATION NORTH ELEC. PENETRATION ROOM 70" ABOVE PLATFORM
Area 17
Elev 33'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-141 REV 6

Flood Level Elev: N/A
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	See Note 3	22	42	Engineering Analysis	None
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	None
Pressure (PSIA)	note 2	N/A	Note 2	N/A	N/A	None
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	$7.5X10^{1}$ RADS	See Note 3	4	42	Engineering Analysis	None
Aging	NOT REQUIRED	None	____	None	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	None	____	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., Press, & Humidity inside the Elec. penetration room are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT.
3) Per Ref. #42, The transmitter can withstand a much higher level of radiation.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT-MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICE COVERED IN IE BULLETIN 79-01B MASTER LIST.
42. ANALYSIS OF WESTINGHOUSE PRESSURE TRANSMITTER.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. PS-3-2007
Component: PRESSURE SWITCHES
FUNCTION: LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: STATIC O RING
MODEL NO: 6N-AA2-XRR
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO MEASURE CONTAINMENT PRESSURE
LOCATION SOUTH PENETRATION ROOM (ELECTRICAL)
51" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech : N/A
Elect 5610-E-141 REV. 6
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5 RADS	1×10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall..

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. PS-3-2008
Component: PRESSURE SWITCHES
FUNCTION: LOCA/HELB(INSIDE) MITIGATE

MANUFACTURER: STATIC O RING

MODEL NO: 6N-AA2-XRR

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO MEASURE CONTAINMENT PRESSURE

LOCATION SOUTH PENETRATION ROOM (ELECTRICAL)
52" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech : N/A
Elect 5610-E-141 REV. 6

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5 RADS	$1x10^6$ RADS	4	#41	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. PS-3-2009
Component: PRESSURE SWITCHES

FUNCTION: LOCA/HELB(INSIDE) MITIGATE

MANUFACTURER: STATIC O RING

MODEL NO: 6N-AA2-CRRX4

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO MEASURE CONTAINMENT PRESSURE

LOCATION SOUTH PENETRATION ROOM (ELECTRICAL)
89" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech : N/A
Elect 5610-E-141 REV. 6

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	> 5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5 RADS	1×10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2007 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-XRR ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 57½" ABOVE PLATFORM Area 17 Elev 33'0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10⁶ RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2008 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB(INSIDE) MITIGATE MANUFACTURER: STATIC O RING .. MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 59½" ABOVE PLATFORM Area 17 Elev 33'-0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10⁶ RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall..

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2009 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 83" ABOVE PLATFORM Area 17 Elev 33-0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1×10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected, by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. PS-3-2056
Component: PRESSURE SWITCHES
FUNCTION: LOCA/HELB(INSIDE) MITIGATE
MANUFACTURER: STATIC O RING
MODEL NO: 6N-AA2-CRRX4
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO MEASURE CONTAINMENT PRESSURE
LOCATION SOUTH PENETRATION ROOM (ELECTRICAL)
50" ABOVE PLATFORM
Area 24
Elev 40'-0"
Ref Dwg No.
Mech : N/A
Elect 5610-E-141 REV. 6
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	5 RADS	1×10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-3-2057 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION SOUTH PENETRATION ROOM (ELECTRICAL) 51½" ABOVE PLATFORM Area 24 Elev 40'-0" Ref Dwg No. Mech : N/A Elect 5610-E-141 REV. 6 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	> 5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10⁶ RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-3-2058 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB(INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION SOUTH PENETRATION ROOM (ELECTRICAL) 90" ABOVE PLATFORM Area 24 Elev 40'-0" Ref Dwg No. Mech : N/A Elect 5610-E-141 REV. 6 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2056 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB(INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 58" ABOVE PLATFORM Area 17 Elev 33'-0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	>5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10^6 RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parameters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2057 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB(INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 58" ABOVE PLATFORM Area 17 Elev 33'-0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	> 5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	$1x10^6$ RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. PS-4-2058 Component: PRESSURE SWITCHES FUNCTION: LOCA/HELB(INSIDE) MITIGATE MANUFACTURER: STATIC O RING MODEL NO: 6N-AA2-CRRX4 ACCURACY: Spec: N/A Demon: N/A SERVICE: TO MEASURE CONTAINMENT PRESSURE LOCATION NORTH PENETRATION ROOM (ELECTRICAL) 83½" ABOVE PLATFORM Area 17 Elev 33'-0" Ref Dwg No. Mech : N/A Elect 5610-E-143 REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINUTES	> 5 MINUTES	#22	#41	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	5 RADS	1x10⁶ RADS	4	#41	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the electrical penetration room are not considered significant. Parmeters for evaluation. These are not affected by the accident condition inside the containment as the electrical penetration room is protected, by the containment wall.

*DOCUMENT REFERENCES:

4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
41. ANALYSIS OF STATIC O RING PRESSURE SWITCHES.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-3-2911 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: SERIAL NO. 32274T1 CAT. NO. WP8042B45SW ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION: CVCS TK 'C' RM 18'-2" ABOVE FLOOR Area: 9 Elev: (-) 4 FT. (FLOOR) Ref Dwg No. Mech 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-3-2912 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: --- ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION : CVCS TK 'C' RM 13'-3" ABOVE FLOOR Area: 9 Elev: (-) 4 FT (FLOOR) Ref Dwg No. Mech 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-3-2913 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: SERIAL NO. 32274T3 CAT. NO. WP8042B45SW ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION: CVCS TK 'C' RM 18'-2" ABOVE FLOOR Area: 9 Elev: (-) 4FT (FLOOR) Ref Dwg No. Mech 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-4-2911 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: SERIAL NO. 32274T4 CAT. NO. WP8042B45SW ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION: BY FAN ROOM 10'-10" ABOVE FLOOR Area: 8 Elev: 18 FT (FLOOR) Ref Dwg No. Mech 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-4-2912 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: SERIAL NO. 32274T5 CAT. NO. WP8042B45SW ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION: NEXT TO FAN RM. 5'-9" ABOVE FLOOR Area: 8 Elev: 18 (FLOOR) Ref Dwg No. Mech. 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (^{o}F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. SV-4-2913 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITOR MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: SERIAL NO. 32274T6 CAT. NO. WP8042B45SW ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING LOCATION: BY FAN ROOM 10'-10" ABOVE FLOOR Area: 8 Elev: 18 FT (FLOOR) Ref Dwg No. Mech 5610-M-11 Elect 5610-E-119, (REV. 6) Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 DAYS	31 DAYS	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	SEE NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	---	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press. & humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside CTMT. any more than during the normal shutdown mode of operation.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-3-2601 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATION MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. NO. LB831665 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR POV-3-2601 LOCATION INSIDE CONTAINMENT Area Elev -- Ref Dwg No. Mech 5610-M-11 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-3-2804 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATION MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. NO. LB831665 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR POV-3-2601 LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-M-11 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed In Ph. II Response)

2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT. VENTIL.
PLANT ID NO. No Tag. No. (Assoc. w/POV-3-2601)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1-D1200G
LIM. SW. 2-D1200G

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION
ASSOCIATED WITH POV-3-2601

LOCATION INSIDE CONTAINMENT

Area 5
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-100 (Rev. 7)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SV-3-2603
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MITIGATION

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: CAT. NO. LB831665

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT PURGE VALVE

LOCATION INSIDE CONTAINMENT

Area
Elev
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-100, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
Chemical Spray	2030 PPM BORON SOL. AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SV-3-2806
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MITIGATION

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: CAT. NO. LB831665

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT PURGE VALVE

LOCATION INSIDE CONTAINMENT

rea
lev
ef Dwg No.
ech 5610-M-11
lect 5610-E-100, Rev. 7

lood Level Elev: 19'-0"
bove Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CTMT. VENTIL. PLANT ID NO. No Tag. No. (Assoc. w/ POV-3-2603) Component: 2 LIMIT SWITCHES FUNCTION: LOCA/HELB (IN & OUT) MITIGATE MANUFACTURER: NAMCO MODEL NO: LIM. SW. 1-D1200G LIM. SW. 2-D1200G ACCURACY: Spec: N/A Demon: N/A SERVICE: POSITION INDICATION ASSOCIATED WITH POV-3-2603 LOCATION INSIDE CONTAINMENT. Area 5 Elev 14' Ref Dwg No. Mech N/A Elect 5610-E-100 (Rev. 7) Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-4-2601 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATION MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. NO. LB831665 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR POV-4-2601 LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-M-11 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-4-2804 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATION MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. NO. LB831665 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR POV-4-2601 LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-M-11 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)

2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

CILITY: TURKEY POINT
IT: 3 & 4
T: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

STEM: CTMT. VENTIL
ANT ID NO. No Tag. No. (Assoc. w/ POV-4-2601)
Component: 2 LIMIT SWITCHES
NCTION: LOCA/HELB (IN & OUT) MITIGATE
NUFACTURER: NAMCO
DEL NO: LIM. SW. 1-D1200G
LIM. SW. 2-D1200G
CURACY: Spec: N/A
Demon: N/A
RVICE: POSITION INDICATION ASSOCIATED WITH POV-4-2601
CATION INSIDE CONTAINMENT
ea 11
ev 14'
f Dwg No.
ch N/A
ect 5610-E-107 (Rev. 5)
ood Level Elev: 19'-0"
ove Flood Level:
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (^{o}F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

OCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-4-2603 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATION MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. NO. LB831665 ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT PURGE VALVE LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-M-11 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SV-4-2806
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MITIGATION

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: CAT. NO. LB831665

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT PURGE VALVE

LOCATION INSIDE CONTAINMENT

Area
Elev
Ref Dwg No.
Mech 5610-M-11
Elect 5610-E-107, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

ACILITY: TURKEY POINT
NIT: 3 & 4
OCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

YSTEM: CTMT. VENT.
LANT ID NO. No Tag. No. (Assoc. w/ POV-4-2603)
Component: 2 LIMIT SWITCHES

NCTION: LOCA/HELB (IN & OUT)
MITIGATE

ANUFACTURER: NAMCO

ODEL NO: LIM. SW. 1- D1200G
LIM. SW. 2- D1200G
CCURACY: Spec: N/A
Demon: N/A

ERVICE: POSITION INDICATION
ASSOCIATED WITH POV-4-2603

OCATION INSIDE CONTAINMENT

rea 11
lev 14'
ef Dwg No.
ech N/A
lect 5610-E-107 (Rev. 5)

lood Level Elev: 19'-0"
bove Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-3-2819 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Cat. No 831434 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR CONTROL VALVE CV-3-2819 LOCATION INSIDE CONTAINMENT Area Elev Ref Dwg No. Mech 5610-M-11 Elect 5610-E-100, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOUR	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humdity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE ---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: CTMT. VENTIL.
PLANT ID NO. No Tag. No. (Assoc. w/ CV-3-2819)
Component: 2 LIMIT SWITCHES
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE
MANUFACTURER: NAMCO
MODEL NO: LIM. SW. 1-D1200G
LIM. SW. 2-D1200G
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: POSITION INDICATION ASSOCIATED WITH SV-3- 2819
LOCATION INSIDE CONTAINMENT
Area 5
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-100 (Rev. 7)
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humdity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE PSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-4-2819 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: Cat. No.: 831434 ACCURACY: Spec: N/A Demon: N/A SERVICE: SOLENOID VALVE FOR CONTROL VALVE CV-4-2819 LOCATION INSIDE CONTAINMENT Area Elev -- Ref Dwg No. Mech 5610-M-11 Elect 5610-E-107, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____	Operating Time	1/2 HOURS	NONE	22	NONE	NONE	SEE NOTE 2
	Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	NONE	SEE NOTE 2
	Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	NONE	SEE NOTE 2
	Relative Humidity (%)	100%	NONE	ASSUMED	NONE	NONE	SEE NOTE 2
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	NONE	SEE NOTE 2
	Radiation	SEE ATTACHMENT #3	NONE	2	NONE	NONE	SEE NOTE 2
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) There is no data available for accident environment qualification. As previously indicated in response to IE Bulletin 79-01, it has been decided to replace this solenoid with a qualified one. Procurement action has been completed, and the installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material. See generic component evaluation sheet (Section 10) for the qualified replacement.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT. VENTIL.
PLANT ID NO. No Tag. No. (Assoc. w/ SV-4-2819)
Component: 2 LIMIT SWITCHES

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE

MANUFACTURER: NAMCO

MODEL NO: LIM. SW. 1- D1200G
LIM. SW. 2- D1200G
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: POSITION INDICATION
ASSOCIATED WITH SV- 4-2819

LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'
Ref Dwg No.
Mech N/A
Elect 5610-E-107 (Rev. 5)

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	NONE	SEE NOTE 2	NONE	---	SEE NOTE 3
Temperature (°F)	SEE ATTACHMENT #1	NONE	1	NONE	---	SEE NOTE 3
Pressure (PSIA)	SEE ATTACHMENT #2	NONE	1	NONE	---	SEE NOTE 3
Relative Humidity (%)	100%	NONE	ASSUMED	NONE	---	SEE NOTE 3
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE	3	NONE	---	SEE NOTE 3
Radiation	SEE ATTACHMENT #3	NONE	2	NONE	---	SEE NOTE 3
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	NONE	---	NONE SEE NOTE #1

NOTES:
1. IN THE FSAR AGING & SUBMERGENCE WERE NOT CONSIDERED ENVIRONMENTAL PARAMETERS. (WILL BE ADDRESSED IN PH. II RESPONSE)
2. OPERATING TIME OF ASSOCIATED SOLENOID VALVE.
3. NO QUALIFICATION DOCUMENTS AVAILABLE ON THESE LIMIT SWITCHES. QUALIFIED REPLACEMENTS WILL BE INSTALLED DURING NEXT REFUELING OUTAGE AFTER SATISFACTORY COMPLETION OF QUALIFICATION TEST ON CONDUIT SEAL MATERIAL.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. CV-3-3709
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MONITORING

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: CAT. # 8030A43
SER. # 51874S
ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT AIR MONITORING INLET

LOCATION N-S HALLWAY
3'-6" ABOVE FLOOR
Area 9
Elev 18 (FLOOR)
Ref Dwg No.
Mech : 5610-M-11
Elect 5610-E-115 REV. 8

Flood Level Elev: N/A
bove Flood Level: N/A

Yes ______
No ______

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	22	48	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5x10⁴ RADS	1x10⁶ RADS	4	48	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is related to radiation only.

DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. ENGINEERING ANALYSIS-QUALIFICATION OF SOLENOID VALVES IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. SV-3-3713 Component: SOLENOID VALVE FUNCTION: LOCA/HELB (INSIDE) MONITORING MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: CAT. # 8030A43 SER. # 51874S ACCURACY: Spec: N/A Demon: N/A SERVICE: CONTAINMENT AIR MONITORING RETURN LOCATION N-S HALLWAY 2'-4" ABOVE FLOOR Area 9 Elev 18 (FLOOR) Ref Dwg No. Mech : 5610-M-11 Elect 5610-E-115 REV. 8 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	>31 DAYS NOTE 3	22	48	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^4 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. ENGINEERING ANALYSIS-QUALIFICATION OF SOLENOID VALVES IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SV-4-3709
Component: SOLENOID VALVE
FUNCTION: LOCA/HELB (INSIDE) MONITORING
MANUFACTURER: AUTOMATIC SWITCH COMPANY
MODEL NO: CAT. # 8030B43
SER. # 92764S
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: CONTAINMENT AIR MONITORING INLET
LOCATION PAN ROOM
3'-6" ABOVE FLOOR
Area 8
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-M-11
Elect 5610-E- 119 REV 8
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	22	48	ENGINEERING ANALYSIS	NONE
Temperature (^{o}F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humdity (%)	Note 2	N/A	Noto 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5x10^4 RADS	1x10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	Nono	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	Nona	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. ENGINEERING ANALYSIS-QUALIFICATION OF SOLENOID VALVES IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CONTAINMENT VENTILATION
PLANT ID NO. SV-4-3713
Component: SOLENOID VALVE

FUNCTION: LOCA/HELB (INSIDE) MONITORING

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: CAT. # 8030A43
SER. # 51874S

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: CONTAINMENT AIR MONITORING RETURN

LOCATION: FAN ROOM
2'-4" ABOVE FLOOR
Area 8
Elev 18' (FLOOR)
Ref Dwg No.
Mech : 5610-M-11
Elect 5610-E-119 REV. 8

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS NOTE 3	22	48	ENGINEERING ANALYSIS	NONE
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^4 RADS	1×10^6 RADS	4	48	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This operating time is related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
22. ANALYSIS OF OPERATING TIMES FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.
48. ENGINEERING ANALYSIS-QUALIFICATION OF SOLENOID VALVES IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS.

SECTION C2- 10

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - REPLACEMENT ASCO & NAMCO DEVICES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
10-1	VARIOUS	SOLENOID VALVE (Mod. #NP831654V)	0	5/2/80	
10-2	VARIOUS	SOLENOID VALVE (Mod. #NP831665V)	↓	↓	
10-3	VARIOUS	LIMIT SWITCH	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CVCS & CONTAINMENT VENTILATION
PLANT ID NO. VARIOUS
Component: REPLACEMENT SOLENOID VALVES

FUNCTION: LOCA/HELB (INSIDE & OUTSIDE)MITIGATE

MANUFACTURER: AUTOMATIC SWITCH COMPANY

MODEL NO: NP831654V

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: REPLACE
SV-200 A, B, C
SV-310A, B & SV-2819
LOCATION INSIDE CONTAINMENT

Area NOTE 2
Elev NOTE 2
Ref Dwg No.
Mech NOTE 2
Elect NOTE 2

Flood Level Elev: 19'-0"
Above Flood Level:

Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	UP TO 190 HOURS	30 DAYS	22	35 PAGE 4-21	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	346°F.	1	35 PAGES 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	110 PSIG	1	35 PAGES 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
Relative Humidity (%)	100%	100%	ASSUMED	35 PGS. 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM BORON SOL AS BORIC ACID	3	35 PAGES 4-4 & 4-21	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	2.013×10^8 RADS	2	35 PAGE 7-1	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NOT REQUIRED	---	---	----	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Refer to component evaluation sheet of solenoid being replaced for specific information.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN I.E. BULLETIN 79-01B MASTER LIST.
35. ENGINEERING ANALYSIS OF REPLACEMENT SOLENOID VALVES (INSIDE CONTAINMENT).

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: CONTAINMENT VENTILATION PLANT ID NO. VARIOUS Component: REPLACEMENT SOLENOID VALVES FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: AUTOMATIC SWITCH COMPANY MODEL NO: NP831665V ACCURACY: Spec: N/A Demon: N/A SERVICE: REPLACE CONTAINMENT PURGE AIR SUPPLY SOLENOIDS - SV-2601, SV-2804 SV-2603, SV-2806 LOCATION INSIDE CONTAINMENT Area NOTE 2 Elev NOTE 2 Ref Dwg No. Mech 5610-M-11, Rev. 12 Elect NOTE 2 Flood Level Elev: 19'-0" Above Flood Level: Yes _____ No _____	Operating Time	1/2 HOUR	30 DAYS	22	35 Page 4-21	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	346°F.	1	35 Pages 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	110 PSIG	1	35 Pages 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	100%	ASSUMED	35 Pgs. 4-4, 4-5, 4-21	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM BORON SOL AS BORIC ACID	3	35 Pgs. 4-4 and 4-21	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	2.013 X 10^8 RADS	2	35 Page 7-1	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NOTE REQUIRED	---	---	---	NONE. SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Refer to component evaluation sheet of solenoid being replaced for specific information.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN I. E. BULLETIN 79-01B MASTER LIST.
35. ENGINEERING ANALYSIS OF REPLACEMENT SOLENOID VALVES (INSIDE CONTAINMENT).

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. N/A
Component: LIMIT SWITCH
FUNCTION: LOCA/HELB (IN & OUT) MONITOR
MANUFACTURER: NAMCO CONTROLS
MODEL NO: EA-180-11302
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: REPLACEMENT LIMIT SWITCHES FOR INSIDE CONTAINMENT
LOCATION INSIDE CONTAINMENT
Area NOTE 2
Elev NOTE 2
Ref Dwg No.
Mech N/A
Elect NOTE 2
Flood Level Elev: 19'-0"
Above Flood Level:
Yes _____
No _____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	UP TO 190 HOURS	30 DAYS	SEE NOTE 3	52, PG. 11	SIMULTANEOUS TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE ATTACHMENT #9	1	52, PG.11	SIMULTANEOUS TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE ATTACHMENT #9	1	52, PG.11	SIMULTANEOUS TEST	NONE
Relative Humidity (%)	100%	100%	ASSUMED	52, PG. 8	SIMULTANEOUS TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	52, PG. 9	SIMULTANEOUS TEST	NONE
Radiation	SEE ATTACHMENT #3	2.04×10^8 Rads	2	52, PG. 4	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) For specific information refer to component evaluation sheet of limit switch being replaced.
3) Reflects longest operating time of associated solenoid valves.
4) Caustic spray of boric acid, water, sodium thiosulfate and sodium hydroxide. PH-10-11

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
52. QUALIFICATION OF REPLACEMENT NAMCO CONTROLS LIMIT SWITCH MODEL EA-180-11302.

SECTION C2- 11

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - SPLICE MATERIALS

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
Section 11 11-1	N/A	HEAT SHRINKABLE INSULATING SLEEVES AT PENETRATIONS & TERMINAL BOXES (INSIDE CONTAINMENT)	0	5/2/80	
11-2	N/A	HEAT SHRINKABLE INSULATING SLEEVES SUPPLIED AS PART OF PENETRATION			
11-3	N/A	HEAT SHRINKABLE INSULATING SLEEVES AT FIELD INTERFACE WITH PEN. PIGTAILS (OUTSIDE CONTAINMENT)			
11-4	N/A	TERMINAL BLOCKS (GE-EB 25)			
11-5	N/A	ELECTRICAL TAPE FOR SOLENOID VALVE PIGTAILS (SCOTCH #23)	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. N/A
Component: HEAT SHRINKABLE INSULATING SLEEVE

FUNCTION: LOCA/HELB (INSIDE & OUT) MITIGATE AND MONITOR

MANUFACTURER: RAYCHEM CORPORATION

MODEL NO: WCSF THERMOFIT SLEEVES

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: PROVIDE PROTECTION FOR SPLICED CONDUCTORS

LOCATION INSIDE CONTAINMENT

Area VARIOUS
Elev VARIOUS
Ref Dwg No.
Mech N/A
Elect N/A

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	>31 DAYS SEE NOTE 4	SEE NOTE 2	DOCUMENT REFERENCE #37	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	357 for 10 HOURS 275 for 86 HOURS 212 for 26 HOURS	1	DOCUMENT REFERENCE #37 (FIGURE #8)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	70 PSIG for 10 HRS 31 PSIG for 86 HRS 10 PSIG for 26 Days	1	DOCUMENT REFERENCE #37 (FIGURE #8)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	DOCUMENT REFERENCE #37 (PAGE #6)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	3000 PPM BORON AS BORIC ACID PH of 10.5	3	DOCUMENT REFERENCE #37 (PAGE #6)	SIMULTANEOUS TYPE TEST	NONE
Radiation	SEE ATTACHMENT #3	1.5 X 10^8 RADS	2	DOCUMENT REFERENCE #37 (PGS. 1, 6 & 11)	SIMULTANEOUS TYPE TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of device catered by this type of splice (see evaluation for LT459).
3) Actual elevation will be determined by containment walkdown.
4) The test profile envelopes the actual profile throughout test.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
37. HEAT SHRINKABLE INSULATING SLEEVES - FIRL REPORT F-C4033-3.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. N/A
Component: HEAT SHRINKABLE INSULATING SLEEVE
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR
MANUFACTURER: RAYCHEM
MODEL NO: RNF-100
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: ELECTRICAL PENETRATION IN LINE SPLICE
LOCATION ELECTRICAL PENETRATION ASSEMBLY
Area
Elev VARIOUS
Ref Dwg No.
Mech : N/A
Elect N/A
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	31 DAYS SEE NOTE 4	SEE NOTE 3	23	TYPE TEST	NONE
Temperature (°F)	Note 2	CONTINUOUS 243° F SHORT DURATION 540° F	Note 2	23	PROTOTYPE TEST	NONE
Pressure (PSIA)	Note 2	NONE	Note 2	NONE	N/A	NONE
Relative Humdity (%)	Note 2	NONE	Note 2		N/A	NONE
Chemical Spray	N/A	NONE	N/A	N/A	N/A	NONE
Radiation	$4x10^6R$	$4x10^6R$	4	23	TYPE TEST	NONE
Aging	NOT REQUIRED	336 HOURS AT 247° F	---	23	THERMAL AGING	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in TMI. II Response)
2) Temp., press., and humidity inside the Electrical Penetration Room are not considered significant These are not affected by the accident condition inside the containment.
3) Operating time indicated reflects the longest time of device catered by splice (see evaluation for LT459).
4) Operating time considered related to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
23. RAYCHEM LETTER 4/14/80 ON HEAT SHRINKABLE TUBING "RNF-100".

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. N/A Component: HEAT SHRINKABLE INSULATING SLEEVE FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR MANUFACTURER: MODEL NO: ACCURACY: Spec: N/A Demon: N/A SERVICE: PROVIDE PROTECTION FOR FIELD INTERFACE OF CABLES AT ELECTRICAL PENETRATION LOCATION ELECTRICAL PENETRATION ROOM Area Elev VARIOUS Ref Dwg No. Mech : N/A Elect N/A Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	NONE	SEE NOTE 3	NONE	NONE	SEE NOTE 4
	Temperature (°F)	Note 2	NONE	Note 2	NONE	NONE	NONE
	Pressure (PSIA)	Note 2	NONE	Note 2	NONE	NONE	NONE
	Relative Humdity (%)	Note 2	NONE	Note 2	NONE	NONE	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	4×10^6 RADS	NONE	4	NONE	NONE	SEE NOTE 4
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) Oper. time reflects longest time of device catered (see eval. of LT-459).
4) Held as an open item until field verification during next unit outage.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. N/A
Component: TERMINAL BLOCKS
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR
MANUFACTURER: GENERAL ELECTRIC
MODEL NO: EB-5
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: PROVIDE LOCAL TERMINATION FACILITY
LOCATION VARIOUS
Area
Elev VARIOUS
Ref Dwg No.
Mech : N/A
Elect N/A
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ______
No ______

Parameter	ENVIRONMENT Specification	ENVIRONMENT Qualification	DOCUMENT REFERENCE* Specification	DOCUMENT REFERENCE* Qualification	Qualification Method	Outstanding Items
Operating Time	31 Days	NONE	SEE NOTE 3	NONE	NONE	SEE NOTE 5
Temperature (°F)	Note 2	N/A	Note 2	N/A	N/A	NONE
Pressure (PSIA)	Note 2	N/A	Note 2	N/A	N/A	NONE
Relative Humidity (%)	Note 2	N/A	Note 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	Note 4 7.5×10^5 RADS	NONE	4	NONE	NONE	SEE NOTE 5
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT any more than during the normal shutdown mode of operation.
3) This time reflects the longest operating time of devices catered by these blocks. (SV-3-2911)
4) Worst case radiation dose. (Containment Spray Pump Room)
5) Research of qualification data in progress. Will be addressed in Phase II response.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. N/A Component: ELECTRICAL TAPE FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: 3 M/ELECTRO - PRODUCTS DIV. MODEL NO: SCOTCH-23 ACCURACY: Spec: N/A Demon: N/A SERVICE: SPLICING CONDUCTORS (EXAMPLE - SOL. VALVE PIG TAIL SPLICES) LOCATION VARIOUS-OUTSIDE CONTAINMENT Area VARIOUS Elev Ref Dwg No. Mech : N/A Elect N/A Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS-RAD. 5 MIN-TEMP.	>31 DAYS (RAD) 5 MIN (TEMP) (SEE NOTE 4)	SEE NOTE 2	39	TYPE TEST DATA ANALYSIS	NONE
	Temperature (°F)	212°	266°	SEE ATTACHMENT #6	39 (FIG. 6)	PRODUCT DATA BASED ON TYPE TEST	NONE
	Pressure (PSIA)	ATMOSPHERIC	NONE	SEE ATTACHMENT #6	NONE	NONE	NONE
	Relative Humdity (%)	100%	USED FOR MOISTURE SEALING, SO ASSUMED GOOD FOR 100%	SEE ATTACHMENT #6	39	PRODUCT DATA BASED ON TYPE TEST	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 R (SEE NOTE 3)	5×10^6 R	4	39 (PAGE 4)	PRODUCT DATA BASED ON TYPE TEST	NONE
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Pt. II Response)
2) Oper. time based on the longest oper. time of devices catered by tape (SV-2911 for radiation (31 days) & SV-2604 for temp (212°F) & RH (100%) - 5 min.)
3) Radiation dose represents 31 day integrated dose near holdup tank area where SV-2911 located.
4) Test data not available but product data sheet (Reference # 39) indicates tape good for emergency operation temperature of 266° F. Assumed emergency operating rating good for 5 minutes (maximum time read under 212° F - 5 minutes).

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS
39. SCOTCH TYPE 23 ELECTRICAL TAPE - PRODUCT DATA & 3M LETTER OF 4/14/80

SECTION C2-12

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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WORK SHEETS

SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
12-1	T3P41	POWER PENETRATION (ASSOC. DEV: 3V30A)	0	5/2/80	
12-2	T3P42	POWER PENETRATION (ASSOC. DEV: 3V30B)			
12-3	T3043	POWER PENETRATION (ASSOC. DEV: 3V30C)			
12-4	T3P51	POWER PENETRATION (ASSOC. DEV: MOV-3-536,)			
		MOV-3-744B, MOV-3-750 (MOV-3-866B)			
12-5	T3P53	POWER PENETRATION (ASSOC. DEV: MOV-3-536)			
		MOV-3-744A, MOV-3-751, (MOV-3-866A)			
12-6	T4P41	POWER PENETRATION (ASSOC. DEV: 4V30A)			
12-7	T4P42	POWER PENETRATION (ASSOC. DEV: 4V30B)			
12-8	T4P43	POWER PENETRATION (ASSOC. DEV: 4V30C)			
12-9	T4P51	POWER PENETRATION (ASSOC. DEV: MOV-4-536,)			
		MOV-4-744A, MOV-4-751, (MOV-4-866A)			
12-10	T4P52	POWER PENETRATION (ASSOC. DEV: MOV-4-535,)			
		MOV-4-744A, MOV-4-751, (MOV-4-866A)			
12-11	T3P11	POWER PENETRATION (ASSOC. DEV: 3V3A)			
12-12	T3P12	POWER PENETRATION (ASSOC. DEV: 3V3C)			
12-13	T3P22	POWER PENETRATION (ASSOC. DEV: 3V3B)			
12-14	T4P12	POWER PENETRATION (ASSOC. DEV: 4V3C)			
12-15	T4P21	POWER PENETRATION (ASSOC. DEV: 4V3A)			
12-16	T4P22	POWER PENETRATION (ASSOC. DEV: 4V3B)			

SECTION C2-12

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS					
PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
12-17	T3C11	CONTROL PENETRATION (ASSOC. DEV: FS-3-1425,)	0	5/2/80	
		(SV-3-2908)			
12-18	T3C12	CONTROL PENETRATION (ASSOC. DEV: FS-3-1426,)			
		SV-3-2909, POV-3-2601, (POV-3-2603 SV-3-307 SV-3-310B)			
12-19	T3C13	CONTROL PENETRATION (ASSOC. DEV: FS-3-1422,)			
		SV-3-2905, SV-3-310A, (CV-32819)			
12-20	T3C21	CONTROL PENETRATION (ASSOC. DEV. FS-3-1424,)			
		(SV-3-2907)			
12-21	T3C22	CONTROL PENETRATION (ASSOC. DEV: FS-3-1423)			
		FS-3-1427, MOV-3-535, (MOV-3-744B, MOV-3-750)			
		MOV-3-866B, SV-3-2906 (SV-3-2910)			
12-22	T3C23	CONTROL PENETRATION (ASSOC. DEV: MOV-3-536)			
		MOV-3-744A, VOV-3-751, (MOV-3-866A)			
12-23	T4C11	CONTROL PENETRATION (ASSOC. DEV: POV-4-2601)			
12-24	T4C12	CONTROL PENETRATION (ASSOC. DEV: FS-4-1424)			
		FS-4-1426, SV-4-2907, SV-4-2909, POV-4-2603			
		SV-4-310A, SV-3-310B			
12-25	T4C13	CONTROL PENETRATION (ASSOC. DEV: FS-4-1423)			
		FS-4-1425, SV-4-2906 SV-4-2908, SV-4-307)			

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
12-26	T4C21	CONTROL PENETRATION (ASSOC. DEV: FS-4-1422, MOV-4-536, MOV-4-744A, MOV-4-866A, SV-4-2905)	0	5/2/80	
12-27	T4C23	CONTROL PENETRATION (ASSOC. DEV: FS-4-1427) MOV-4-535, MOV-4-744B MOV-4-750, MOV-4-751 MOV-4-866A, SV-4-2910			
12-28	T3I11	INSTRUMENT PENETRATION (ASSOC. DEVICES: TE-3-412B TE-3-412D)			
12-29	T3I13	INSTRUMENT PENETRATION (ASSOC. DEVICES: TE-3-453 TE-3-454)			
12-30	T3I14	INSTRUMENT PENETRATION (ASSOC. DEV: TE-3-432B TE-3-432D)			
12-31	T3I15	INSTRUMENT PENETRATION (ASSOC. DEV: TE-3-422B TE-3-422D)			
12-32	T3I21	INSTRUMENT PENETRATION (ASSOC. DEV: LT-3-474, LT-3-484, LT-3-494, LT-3-459, PT-3-4-3, PT-3-455)			
12-33	T3I22	INSTRUMENT PENETRATION (ASSOC. DEV: LT-3-920, LT-3-924, FT-3-475, FT-3-485, TT-3-1501, LT-3-928, PT-3-929, TT-3-1491, TT-3-1500, FT-3-495, PT-3-921, PT-3-925)	↓	↓	

SECTION C2-12

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION
WORK SHEETS

SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
12-34	T3I23	INSTRUMENT PENETRATION (ASSOC. DEV: FT-3-494,	0	5/2/80	
		PT-3-457, FT-3-474, FT-3-484, LT-3-461,			
		LT-3-476,LT-3-486, LT-3-496)			
12-35	T3I24	INSTRUMENT PENETRATION (ASSOC. DEV: PT-3-456,			
		LT-3-460, PT-3-923, PT-3-927, PT-3-931,			
		LT-3-495, LT-3-485, LT-3-475 LT-3-922, LT-3-926, LT-3-930			
12-36	T4I12	INSTRUMENT PENETRATION (ASSOC. DEV: TE-4-412B)			
		TE-4-412D)			
12-37	T4I13	INSTRUMENT PENETRATION (ASSOC. DEV: TE-4-453)			
		TE-4-454)			
12-38	T4I14	INSTRUMENT PENETRATION (ASSOC. DEV: TE-4-432D			
		TE-4-432B)			
12-39	T4I15	INSTRUMENT PENETRATION (ASSOC. DEV: TE-4-422B)			
		TE-4-422D)			
12-40	T4I21	INSTRUMENT PENETRATION (ASSOC. DEV: LT-4-474,			
		LT-4-459, LT-4-484, PT-4-455, LT-4-494)			
12-41	T4I22	INSTRUMENT PENETRATION (ASSOC. DEV. PT-4-929			
		LT-4-928, FT-4-495, LT-4-924, FT-4-475,			
		Lt-4-920, FT-4-485, TT-4-1501, TT-4-1500,			
		TT-4-1491, PT-4-921, PT-4-925)			

SECTION C2-12

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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SYSTEM: MISCELLANEOUS - ELECTRICAL PENETRATIONS

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
12-42	T4I23	INSTRUMENT PENETRATION (ASSOC. DEV: LT-4-476,	0	5/2/80	
		LT-4-486, LT-4-496, LT-4-461, FT-4-474	↓	↓	
		FT-4-484, FT-4-494 PT-4-403, PT-4-457)	↓	↓	
12-43	T4I24	INSTRUMENT PENETRATION (ASSOC. DEV: PT-4-923	↓	↓	
		PT-4-927, LT-4-930, LT-4-922, LT-4-460,	↓	↓	
		PT-4-456, PT-4-931, LT-4-926, LT-4-475,	↓	↓	
		LT-4-485, LT-4-495)	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3P41
Component: PENETRATION
FOR ASSOCATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100606
ACCURACY: Spec: } N/A
Demon: }
SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 36'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3P42
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT # 0100606
ACCURACY: Spec: } N/A
Demon: }
SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 36'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. : T3P43
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100606
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
SOUTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 28'
Ref Dwg No.
Mech N/A
Elect 5610-E-141, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) *In the FSAR aging and submergence were not considered environmental parameters.* (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3P51
Component: PENETRATION
- FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100607
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 36'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3P53
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100607
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
SOUTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 28'
Ref Dwg No.
Mech N/A
Elect 5610-E-141, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4P41
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100606
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 31'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. : T4P42
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100606
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 28'
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T4P43 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100606 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 40'-0" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4P51 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100607 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 28' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4P52 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100607 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 40'-10" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3P11
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100603
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 40'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature ($^{\circ}F$)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3P12 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100603 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 31'-0" Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3P22 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100604 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 31'-0" Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4P12 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100603 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 40'-10" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. : T4P21
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100603
ACCURACY: Spec: } N/A
Demon: }
SERVICE: 600V POWER CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 28'
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	ENGINEERING Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM:. MISCELLANEOUS PLANT ID NO. T4P22 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT. # 0100604 ACCURACY: Spec: N/A Demon: N/A SERVICE: 600 V. POWER CABLE PENETRATION LOCATION INSIDE CONTAINMENT WEST PENETRATION ROOM (ELECTRICAL) Area 17 Elev 36'-10" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	Doc. Ref. 22	Doc. Ref. 26 & 26J	Synergistic Test and Analysis	None
	Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	Doc. Ref. 26 & 26K	Synergistic Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Synergistic Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Synergistic Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE - SEE ANALYSIS REF. 26	3	26 & 26L	Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^{8} Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. T3C11
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION: LOCA/HELB (INSIDE)
MITIGATE & MONITOR

MANUFACTURER: CROUSE-HINDS

MODEL NO: CAT. # 0100608

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600 V CONTROL CABLE PENETRATION

LOCATION INSIDE CONTAINMENT
WEST PENETRATION ROOM (ELECTRICAL)
Area 24
Elev CL 28'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Synergistic Test & Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Synergistic Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Synergistic Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Synergistic Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NONE - SEE ANALYSIS REF. 26	3	26 & 26L	Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed In PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3C12 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100608 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3C13 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100608 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3C21
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100609
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: 600V CONTROL CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 26'-4"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3C22 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100609 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 24 Elev CL 31'-4" Ref Dwg No. Mech N/A Elect 5610-E-140, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (*Will Be Addressed in PH. II Response*)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T3C23 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100609 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging.	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) *In the FSAR aging and submergence were not considered environmental parameters.* (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4C11 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100608 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4C12 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100608 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4C13
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100608
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V CONTROL CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 17
Elev CL 28'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-142, Rev. 4

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T4C21 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100609 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4C23 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100609 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V CONTROL CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 25' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3111.
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100611
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: 600V INSTRUMENTATION CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 20'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3113 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100611 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 24 Elev CL 28'-10" Ref Dwg No. Mech N/A Elect 5610-E-140, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. : T3114
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100611
ACCURACY: Spec: } N/A
Demon: }
SERVICE: 600V INSTRUMENT CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
SOUTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 22'
Ref Dwg No.
Mech N/A
Elect 5610-E-141, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3115 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100611 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 22' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T3121
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100612
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: 600V INSTRUMENT CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 24
Elev CL 20'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-140, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3122 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100612 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 24 Elev CL 20'-10" Ref Dwg No. Mech N/A Elect 5610-E-140, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T3123 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100612 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENTATION CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 22' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T3124 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100612 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ SOUTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 22' Ref Dwg No. Mech N/A Elect 5610-E-141, Rev. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO.: T4112 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100611 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ NORTH PENETRATION RM. (ELECTRICAL) Area 8 Elev CL 22' Ref Dwg No. Mech N/A Elect 5610-E-143, Rev. 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the PSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4113
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100611
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V INSTRUMENTATION CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev 22' (CL)
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4I14
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100611
ACCURACY: Spec: } N/A
Demon: }
SERVICE: 600V INSTRUMENT CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
WEST PENETRATION RM. (ELECTRICAL)
Area 17
Elev CL 20'-10"
Ref Dwg No.
Mech N/A
Elect 5610-E-142, Rev. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T4115 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100611 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 26'-4" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humidity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, M, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4I21
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100612
ACCURACY: Spec: } N/A
Demon: } N/A

SERVICE: 600V INSTRUMENTATION CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 22'
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO.: T4122
Component: PENETRATION
FOR ASSOCIATED DEVICES SEE MASTER LIST
FUNCTION:
LOCA/HELB (INSIDE)
MITIGATE & MONITOR
MANUFACTURER:
CROUSE-HINDS
MODEL NO:
CAT #0100612
ACCURACY: Spec: } N/A
Demon: }

SERVICE: 600V INSTRUMENTATION CABLE PENETRATION

LOCATION INSIDE CONTAINMENT/
NORTH PENETRATION RM. (ELECTRICAL)
Area 8
Elev CL 22'
Ref Dwg No.
Mech N/A
Elect 5610-E-143, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
Temperature (^{o}F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T4123 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100612 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENT CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 20'-10" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. : T4124 Component: PENETRATION FOR ASSOCIATED DEVICES SEE MASTER LIST FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: CROUSE-HINDS MODEL NO: CAT #0100612 ACCURACY: Spec: } N/A Demon: } SERVICE: 600V INSTRUMENTATION CABLE PENETRATION LOCATION INSIDE CONTAINMENT/ WEST PENETRATION RM. (ELECTRICAL) Area 17 Elev CL 20'-10" Ref Dwg No. Mech N/A Elect 5610-E-142, Rev. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 Days	31 Days	22	26 & 26J	Simultaneous Test and Mathematical Analysis	None
	Temperature (°F)	SEE ATTACHMENT #1	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Pressure (PSIA)	SEE ATTACHMENT #2	See Note 2	1	26 & 26K	Simultaneous Type Test	None
	Relative Humdity (%)	100%	100%	ASSUMED	26 & 26K	Simultaneous Type Test	None
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	None - See Analysis Ref. 26	3	26 & 26L	Engineering Analysis	None
	Radiation	SEE ATTACHMENT #3	1 X 10^8 Rads	2	26, 26E, F, H, N, P & R	Sequential Test	None
	Aging	NOT REQUIRED	None	---	None	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the PSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This is Westinghouse proprietary information. For values reference qualification documentation reference.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
26. QUALIFICATION OF PENETRATIONS - ENGINEERING ANALYSIS.
22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST.

SECTION C2-13

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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SYSTEM: MISCELLANEOUS - CABLES

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13-2	CABLE CODE N50	1/C #4 POWER CABLE			
13-3	CABLE CODE N52	3/C #12 POWER CABLE			
13-4	CABLE CODE 53	3/C #12 CONTROL CABLE			
13-5	CABLE CODE 54	2/C #12 CONTROL CABLE			
13-6	CABLE CODE 55	5/C #12 CONTROL CABLE			
13-7	CABLE CODE 56	7/C #12 CONTROL CABLE			
13-8	CABLE CODE 60	2/C #16 INSTRUMENT CABLE			
13-9	CABLE CODE 61	4/C #16 GENERAL ELECTRIC INSTRUMENT CABLE			
13-10	CABLE CODE 61	4/C #16 CONTINENTAL INSTRUMENT CABLE			
13-11	CABLE CODE N77	THERMOCOUPLE WIRE #20			
13-12	CABLE CODE N6	1/C-4/0 POWER CABLE			
13-13	CABLE CODE N7	1/C-750 MCM POWER			
13-14	CABLE CODE N19	2/C #12 POWER CABLE			
13-15	CABLE CODE N20	3/C #12 POWER CABLE			
13-16	CABLE CODE 21	2/C #12 CONTROL CABLE			
13-17	CABLE CODE 22	3/C #12 CONTROL CABLE			
13-18	CABLE CODE 23	5/C #12 CONTROL CABLE			
13-19	CABLE CODE 24	7/C #12 CONTROL CABLE			
13-20	CABLE CODE 25	9/C #12 CONTROL CABLE			

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

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TO COMPONENT EVALUATION
WORK SHEETS

SYSTEM: MISCELLANEOUS - CABLES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
13-21	CABLE CODE 26	12/C #12 CONTROL CABLE	0	5/2/80	
13-22	CABLE CODE 63	2/C #16 INSTRUMENT CABLE	↓	↓	
13-23	CABLE CODE 64	4/C #16 INSTRUMENT CABLE	↓	↓	
13-24	CABLE CODE 80	2/C #16 INSTRUMENT CABLE	↓	↓	
13-25	CABLE CODE L1P	2/C #16 INSTRUMENT CABLE	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. Cable code N47
Component: 1/C - 4/0
CABLE W/CROSS-LINKED POLYETHYLENE INSL.
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: X-OLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V POWER CABLE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ___

	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification		Specification	Qualification		
Operating Time	72 HRS	32 DAYS		SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	287.6° F		1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)		1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%		ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4		3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS		2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE		---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED		---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: 3V3A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. Cable code N50 Component: 1/C #4 CABLE W/CROSS-LINKED POLYETHYLENE INSL. FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: X-OLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V POWER CABLE LOCATION INSIDE CONTAINMENT Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: 19' Above Flood Level: Yes X No ____	Operating Time	72 HRS.	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humdity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: 3V30A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO Cable Code N52
Component: 3/C # 12
CABLE W/CROSS-LINKED POLYETHYLENE INSL.
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR
MANUFACTURER: OKONITE COMPANY
MODEL NO: X-OLENE/OKOSEAL
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: 600V POWER CABLE
LOCATION INSIDE CONTAINMENT
Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306
Flood Level Elev: 19'
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Temperature ($^{\circ}F$)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1×10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: MOV-744A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. Cable Code 53
Component: 3/C #12
CABLE W/CROSS-LINKED POLYETHYLENE INSL.
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR
MANUFACTURER: OKONITE COMPANY
MODEL NO: X-OLENE/OKOSEAL
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: 600V POWER CABLE
LOCATION INSIDE CONTAINMENT
Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306
Flood Level Elev: 19'
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS.	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Temperature (^{o}F)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: SV-310A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. Cable Code 54
Component: 2/C #12
CABLE W/CROSS-LINKED POLYETHYLENE INSL.
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: X-OLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V POWER CABLE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS.	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: 3V3A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. Cable Code 55
Component: 5/C #12
CABLE W/CROSS-LINKED POLYETHYLENE INSL.
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: X-OLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V POWER CABLE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes _X_
No ___

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 HRS.	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Temperature (°F)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Relative Humidity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in TMI. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: SV-310A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. Cable Code 56 Component: 7/C #12 CABLE W/CROSS-LINKED POLYETHYLENE INSL. FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: X-OLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V POWER CABLE LOCATION INSIDE CONTAINMENT Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: 19' Above Flood Level: Yes X No ___	Operating Time	31 DAYS	32 DAYS	SEE NOTE 2	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	287.6° F	1	24 (P. 535)	SIMULTANEOUS TYPE TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	40 PSIG (SEE NOTE 3)	1	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Relative Humidity (%)	100%	100%	ASSUMED	24 (P.535)	SIMULTANEOUS TYPE TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 4	3	25	ENGINEERING ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	1 x 10^8 RADS	2	24 (P. 2 & 536)	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Pt. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: MOV-744A).
3) The test pressure was held at 40 PSIG for a duration of 32 days which is considered much more rigorous than the profile.
4) The Boric acid spray of 2030 ppm Boron Soln. at Ph 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
24. OKONITE LETTER (3-22-71) TO BECHTEL AND PG. 529-537 of IEEE TRANSACTIONS PAPER, VOL. PAS88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 60
Component: 2C #16
SHIELDED INSTRUMENT CABLE
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: GENERAL ELECTRIC

MODEL NO: VULKENE - XLPE W/ PVC JACKET

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600 V INSTRUMENTATION CABLE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes X
No

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	205 DAYS	SEE NOTE 2	29 (P.3 & 24)	SIMULTANEOUS TEST & MATH ANAL.	NONE
Temperature (°F)	SEE ATTACHMENT #1	70 PSIG, 315° F FOR 10 HOURS STEPPED DOWN TO 5 PSIG, 150° F FOR 326 HOURS	1	29 (P. 3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2		1	29 (P. 3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	29 (P. 3)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL. AS BORIC ACID	2000 PPM BORIC ACID (SEE NOTE 3)	3	29 (P.3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Radiation	SEE ATTACHMENT #3	2 X 10^8 RADS	2	29 (P. 3 & 24)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE, SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: LT-459)
3) The test spray of 2000 PPM was applied throughout the test and is considered more rigorous than the specified spray of duration 2 hrs.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
29. A STATUS REPORT ON THE G.E. WIRE AND CABLE DEPARTMENT COMPREHENSIVE TESTING PROGRAM.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 61
Component: 4C #16
SHIELDED INSTRUMENT CABLE
FUNCTION: LOCA/HELB (IN & OUT)
MITGATE & MONITOR

MANUFACTURER: GENERAL ELECTRIC

MODEL NO: VULKENE - XLPE W/PVC JACKET

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600 V INSTRUMENATION CABLE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes C X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	205 DAYS	SEE NOTE 2	29 (P. 3 & 24)	SIMULTANEOUS TEST & MATCH ANAL.	NONE
Temperature (°F)	SEE ATTACHMENT #1	70 PSIG, 315° F FOR 10 HOURS STEPPED DOWN TO 5 PSIG, 150° F FOR 326 HOURS	1	29 P. 3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2		1	29 (P. 3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	29 (P. 3)	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	2000 PPM BORIC ACID (SEE NOTE 3)	3	29 (P.3 & 24)	SIMULTANEOUS TYPE TEST	NONE
Radiation	SEE ATTACHMENT #3	2 X 10^8 RADS	2	29 (P. 3 & 24)	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Device: LT-459)
3) The test spray of 2000 PPM was applied throughout the test and is considered more rigorous than the specified spray of duration 2 hrs.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
29. A STATUS REPORT ON THE G.E. WIRE AND CABLE DEPARTMENT COMPREHENSIVE TESTING PROGRAM.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 61
Component: 4/C #16
SHIELDED INSTRUMENT CABLE
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: CONTINENTAL WIRE CORP.

MODEL NO: CROSS- LINKED POLYETHYLENE: CC-2200
PVC JACKET: CC-2010

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600 V INSTRUMENTATION CABLE

LOCATION INSIDE CONTAINMENT

Area VARIOUS
Elev VARIOUS
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	107 DAYS	SEE NOTE 2	31	TEST & MATH ANALYSIS	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE ATTACHMENT 5	1	31	SIMULTANEOUS TYPE TEST	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE ATTACHMENT 5	1	31	SIMULTANEOUS TYPE TEST	NONE
Relative Humdity (%)	100%	100%	ASSUMED	31	SIMULTANEOUS TYPE TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE NOTE 3	3	25	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	25	SEQUENTIAL TEST	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Dev: TE-410)
3) The boric acid spray of 2030 PPM Boron Sol. at P.H. 4.98 will have no effect on the cable.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
25. OKONITE LETTER (4-10-80) TO BECHTEL.
31. CONTINENTAL WIRE & CABLE TEST REPORT.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE N77
Component: AWG #20 THERMOCOUPLE EXTENSION WIRE

FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: THERMO ELECTRIC COMPANY INC.

MODEL NO: ECS/CUCSTW-20 XXX (EEX)

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600 V THERMOCOUPLE EXTENSION WIRE

LOCATION INSIDE CONTAINMENT

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: 19'
Above Flood Level:

Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	31 DAYS	SEE NOTE 2	30	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE ATTACHMENT #1	400° F	1	30 (P. 2, A-2, B-4)	TESTING & ANALYSIS	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE NOTE 3	1	30 (P. 2)	ENGINEERING ANALYSIS	NONE
Relative Humdity (%)	100%	100% (CABLE BOILED 10 MIN. IN WATER)	ASSUMED	30 (P. A-2)	SEQUENTIAL TEST	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	1% BORIC ACID SOLUTION	3	30 (P. A-4)	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	1 X 10^8 RADS	2	30 (PGS. 1, 2, A-2, B-4, C-1, C-2)	SEQUENTIAL TESTING AND ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	-----	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Assoc. Dev: TE-3440.)
3) Pressure effects on a solid construction cable are negligible and therefore not considered a critical parameter.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
30. ENGINEERING ANALYSIS OF THERMOCOUPLE EXTENSION WIRE.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE N6 COMPONENT: 1/C-4/0 POWER CABLE WITH BUTLY RUBBER INSUL. FUNCTION: LOCA/HELB (IN & OUT) MITIGATE AND MONITOR MANUFACTURER: GENERAL CABLE CORPORATION MODEL NO: NONE ACCURACY: Spec: N/A Demon: N/A SERVICE: 5000V POWER CABLE TO RHR & SI PUMPS LOCATION: AUXILIARY BUILDING Area VARIOUS Elev VARIOUS Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 days	>31 days see note 5	See Note 4	24 Table IX	Simultaneous type test	None
	Temperature (°F)	Note 2	287.6 F	Note 2	24 Table IX	Simultaneous type test	None
	Pressure (PSIA)	Note 2	40 PSIG	Note 2	24 Table IX	Simultaneous type test	None
	Relative Humdity (%)	Note 2	100%	Note 2	24 Table IX	Simultaneous type test	None
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
	Radiation	2.4×10^6 RADS SEE NOTE 3	5×10^6 RADS	Doc. Ref. 4	24 & 25 Tables XI, VII, I	Sequential test	None
	Aging	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1

NOTES: 1) In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response)
2) Temperature, pressure, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worse at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: P210.)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
24. IEEE TRANSACTIONS PAPER, VOLUME PAS 88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. Cable Code N7
Component: 1/C-750 MCM
Power Cable with Butly rubber Insul.
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE AND MONITOR
MANUFACTURER: Okonite Company
MODEL NO: Okonex/Okoseal
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: 600V Power Cable
LOCATION: AUXILIARY BUILDING
Area VARIOUS
Elev VARIOUS
Ref Dwg No.
Mech N/A
Elect 5610-E-306
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 days	>31 days see note 5	See Note 4	24 Table IX	Simultaneous type test	None
Temperature ($^{\circ}$F)	Note 2	287.6 F	Note 2	24 Table IX	Simultaneous type test	None
Pressure (PSIA)	Note 2	40 PSIG	Note 2	24 Table IX	Simultaneous type test	None
Relative Humdity (%)	Note 2	100%	Note 2	24 Table IX	Simultaneous type test	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	2.4×10^6 RADS SEE NOTE 3	$5X10^6$ RADS	Doc. Ref. 4	24 & 25 Tables XI,VII,I	Sequential test	None
Aging	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1

NOTES: 1) In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed Phase II response.)
2) Temperature, pressure, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: P-210.)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
24. IEEE TRANSACTIONS PAPER, VOLUME PAS 88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MISCELIANEOUS
PLANT ID NO. Cable Code N19
Component: 2C #12
Power Cable with Butly rubber Insul.
FUNCTION: LOCA/HELB (IN & OUT) MITIGATE AND MONITOR

MANUFACTURER: Okonite Company

MODEL NO: Okonex/Okoprene/Okoseal

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V Power Cable

LOCATION: AUXILIARY BUILDING

Area VARIOUS
Elev VARIOUS
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 days	>31 days see note 5	See Note 4	24 Table IX	Simultaneous type test	None
Temperature (°F)	Note 2	287.6 F	Note 2	24 Table IX	Simultaneous type test	None
Pressure (PSIA)	Note 2	40 PSIG	Note 2	24 Table IX	Simultaneous type test	None
Relative Humdity (%)	Note 2	100%	Note 2	24 Table IX	Simultaneous type test	None
Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
Radiation	2.4×10^6 RADS SEE NOTE 3	5×10^6 RADS	Doc. Ref. 4	24 & 25 Tables XI,VII,I	Sequential test	None
Aging	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1
Submergence	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1

NOTES: 1) In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response.)
2) Temperature, pressure and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worse at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: P210.)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
24. IEEE TRANSACTIONS PAPER, VOLUME PAS 88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. Cable Code N20 COMPONENT: 3/C #12 POWER CABLE WITH BUTLY RUBBER INSUL. FUNCTION: LOCA/HELB (IN & OUT) MITIGATE AND MONITOR MANUFACTURER: Okonite Company MODEL NO: Okonex/Okoprene/Okoseal ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V Power Cable LOCATION: AUXILIARY BUILDING Area VARIOUS Elev VARIOUS Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 days	>31 Days see note 5	See Note 4	24 Table IX	Simultaneous type test	None
	Temperature (°F)	Note 2	287.6 F	Note 2	24 Table IX	Simultaneous type test	None
	Pressure (PSIA)	Note 2	40 PSIG	Note 2	24 Table IX	Simultaneous type test	None
	Relative Humdity (%)	Note 2	100%	Note 2	24 Table IX	Simultaneous type test	None
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	None
	Radiation	2.4 x 10^6 RADS SEE NOTE 3	5X10^6 RADS	Doc. Ref. 4	24 & 25 Tables XI,VII,I	Sequential test	None
	Aging	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	None	----	None	----	NONE SEE NOTE #1

NOTES: 1) In the FSAR, aging and submergence were not considered environmental parameters. (Will be addressed in Phase II response)
2) Temperature, pressure, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the containment anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worse at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: P210.)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
24. IEEE TRANSACTIONS PAPER, VOLUME PAS 88, NO. 5, MAY 1969.
25. OKONITE LETTER (4-10-80) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 21
Component: 2/C #12
CABLE W/POLYETHYLENE INSUL. & PVC JACKET
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: OKOLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V CONTROL CABLE

LOCATION AUXILIALY BUILDING

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5 x 10^5 RADS SEE NOTE 3	1 x 10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: SV-2911)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE 22 Component: 3/C #12 CABLE W/POLYETHYLENE INSUL. & PVC JACKET FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: OKOLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V CONTROL CABLE LOCATION AUXILIALY BUILDING Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: SV-2911)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 23
Component: 5/C #12
CABLE W/POLYETHYLENE INSUL. & PVC JACKET
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: OKOLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V CONTROL CABLE

LOCATION AUXILIALY BUILDING

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: SV-2911)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE 24 Component: 7/C #12 CABLE W/POLYETHYLENE INSUL. & PVC JACKET FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: OKOLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V CONTROL CABLE LOCATION AUXILIALY BUILDING Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: SV-4-2911)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE 25 Component: 3/C #12 CABLE W/POLYETHYLENE INSUL. & PVC JACKET FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: OKOLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V CONTROL CABLE LOCATION AUXILIALY BUILDING Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	>31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in TMI. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: SV-2911)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 26
Component: 12/C #12
CABLE W/POLYETHYLENE INSUL. & PVC JACKET
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: OKOLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V CONTROL CABLE

LOCATION AUXILIALY BUILDING

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: MOV-843A)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE 63 Component: 2/C #16 CABLE W/POLYETHYLENE INSUL. & PVC JACKET FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: OKOLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V CONTROL CABLE LOCATION AUXILIALY BUILDING Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humdity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: LT-459)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. CABLE CODE 64 Component: 4/C #16 CABLE W/POLYETHYLENE INSUL. & PVC JACKET FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: OKONITE COMPANY MODEL NO: OKOLENE/OKOSEAL ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V CONTROL CABLE LOCATION AUXILIALY BUILDING Area Various Elev Various Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: N/A Above Flood Level: N/A Yes _____ No _____	Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE #1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: TE-410)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES:
4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. CABLE CODE 80
Component: 2 PR. #16
CABLE W/POLYETHYLENE INSUL. & PVC JACKET
FUNCTION: LOCA/HELB (IN & OUT)
MITIGATE & MONITOR

MANUFACTURER: OKONITE COMPANY

MODEL NO: OKOLENE/OKOSEAL

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: 600V CONTROL CABLE

LOCATION AUXILIALY BUILDING

Area Various
Elev Various
Ref Dwg No.
Mech N/A
Elect 5610-E-306

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	> 31 DAYS NOTE 5	SEE NOTE 4	25	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	SEE NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS SEE NOTE 3	1×10^7 RADS	4	25	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE #1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp., press., and humidity inside the Auxiliary Building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the ctmt. anymore than during the normal shutdown mode of operation.
3) Dose rates in route of cable are considered worst at equipment location.
4) This time is based on the longest operating time of the devices served by this cable. (Associated Device: PS-2009)
5) This operating time relates to radiation only.

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
25. OKONITE LETTER (APRIL 10, 1980) TO BECHTEL.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

Rev. 0

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: REACTOR COOLANT SYSTEM PLANT ID NO. CABLE CODE L1P Component: 2/C #16 CABLE W/HYPALON & MYLAR INSULATION FUNCTION: LOCA/HELB (IN & OUT) MITIGATE & MONITOR MANUFACTURER: SAMUEL MOORE AND COMPANY MODEL NO: DEKORAD 1952-68380-004 ACCURACY: Spec: N/A Demon: N/A SERVICE: 600V INSTRUMENTATION CABLE LOCATION INSIDE CONTAINMENT Area VARIOUS Elev Ref Dwg No. Mech N/A Elect 5610-E-306 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	31 DAYS	>31 DAYS NOTE 4	NOTE 2	51	SIMULTANEOUS TEST	NONE
	Temperature (°F)	SEE ATTACHMENT #1	SEE ATTACHMENT #10 FIGURE 1	1	51	SIMULTANEOUS TEST	NONE
	Pressure (PSIA)	SEE ATTACHMENT #2	SEE ATTACHMENT #10 FIGURE 1	1	51	SIMULTANEOUS TEST	NONE
	Relative Humdity (%)	100%	100%	ASSUMED	51	SIMULTANEOUS TEST	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	NOTE 3	3	51 Pg. 2-4	SIMULTANEOUS TEST	NONE
	Radiation	SEE ATTACHMENT #3	2×10^{8} RADS	2	51 Pgs. 1-2, 2-6	SEQUENTIAL TEST	NONE
	Aging	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) This time is based on the longest operating time of the devices served by this cable. (Associated Device: PT-406)
3) 3000 PPM Boron as boric acid in solution with sodium thiosulfate buffered with sodium hydroxide to a PH of 10.
4) The test profile envelopes the actual profile throughout test.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - BECHTEL CALCULATION.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - BECHTEL CALCULATION.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
51. ISOMEDIX TEST REPORT FOR INSTRUMENT CABLE FOR PT-406 AND PT-407.

SECTION C2-14

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - TERMINAL BOXES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
14-1	TB 3044	TERMINAL BOX (ASSOC. DEV. SV-3-2921,	0	5/2/80	
		SV-3-2924, SV-3-2812			
14-2	TB 3065	TERMINAL BOX (ASSOC. DEV. SV-3-2922)			
14-3	TB 3067	TERMINAL BOX (ASSOC. DEV. SV-3-841B,			
		SV-3-2911, SV-3-2912, SV-3-2913)			
14-4	TB 3122	TERMINAL BOX (ASSOC. DEV. SV-3-2908)			
14-5	TB 3123	TERMINAL BOX (ASSOC. DEV. SV-3-2906)			
14-6	TB 3124	TERMINAL BOX (ASSOC. DEV. SV-3-2907)			
14-7	TB 3125	TERMINAL BOX (ASSOC. DEV. SV-3-2905)			
14-8	TB 3126	TERMINAL BOX (ASSOC. DEV. SV-3-2909)			
14-9	TB 3127	TERMINAL BOX (ASSOC. DEV. SV-3-2910)			
14-10	TB 3115	TERMINAL BOX (ASSOC. DEV. TE-3-3440,			
		TE-3-3463)			
14-11	TB 3134	TERMINAL BOX (ASSOC. DEV. SV-3-2925,			
		SV-3-2814, SV-3-204, PC-3-957B			
14-12	TB 3135	TERMINAL BOX (ASSOC. DEV. SV-3-115B,			
		PC-3-957C)			
14-13	TB 3143	TERMINAL BOX (ASSOC. DEV. SV-3-2819,	↓	↓	
		SV-3-200C, SV-3-310A)			

SECTION C2-14

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - TERMINAL BOXES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
14-14	TB 3144	TERMINAL BOX (ASSOC. DEV. SV-3-2601, SV-3-2804, SV-3-2603, SV-3-2806, SV-3-200A)	0	5/2/80	
14-15	TB 3145	TERMINAL BOX (ASSOC. DEV. SV-3-310B, SV-3-200B)			
14-16	TB 3150	TERMINAL BOX (ASSOC. DEV. SV-3-841A, SV-3-2911, SV-3-2912)			
14-17	TB 3208	TERMINAL BOX (ASSOC. DEV. SV-3-2810, SV-3-2920, SV-3-2923)			
14-18	TB 3213	TERMINAL BOX (ASSOC. DEV. PC-3-957A, PC-3-957B, PC-3-957C, PC-3-957D)			
14-19	TB 3301	TERMINAL BOX (ASSOC. DEV. TE-3-412B, TE-3-412D, LT-3-459, PT-3-455)			
14-20	TB 3303	TERMINAL BOX (ASSOC. DEV. LT-3-474)			
14-21	TB 3305	TERMINAL BOX (ASSOC. DEV. FT-3-475, FT-3-485, FT-3-495)			
14-22	TB 3306	TERMINAL BOX (ASSOC. DEV. FT-3-475, FT-3-485, FT-3-495)			
14-23	TB 4044	TERMINAL BOX (ASSOC. DEV. SV-4-2920, SV-4-2923, SV-4-2810)			

SECTION C2-14

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - TERMINAL BOXES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
14-24	TB 4067	TERMINAL BOX (ASSOC. DEV. SV-4-841B, SV-4-2911, SV-4-2912, SV-4-2913)	0	5/2/80	
14-25	TB 4115	TERMINAL BOX (ASSOC. DEV. TE-4-3440, TE-4-3463)			
14-26	TB 4111	TERMINAL BOX (ASSOC. DEV. SV-4-2906)			
14-27	TB 4123	TERMINAL BOX (ASSOC. DEV. SV-4-2906)			
14-28	TB 4124	TERMINAL BOX (ASSOC. DEV. SV-4-2907)			
14-29	TB 4125	TERMINAL BOX (ASSOC. DEV. SV-4-2908)			
14-30	TB 4126	TERMINAL BOX (ASSOC. DEV. SV-4-2909)			
14-31	TB 4127	TERMINAL BOX (ASSOC. DEV. SV-4-2910)			
14-32	TB 4134	TERMINAL BOX (ASSOC. DEV. SV-4-2921, SV-4-2924, SV-4-2812, SV-4-204, PC-4-957C)			
14-33	TB 4135	TERMINAL BOX (ASSOC. DEV. SV-4-115B, PC-4-957C)			
14-34	TB 4143	TERMINAL BOX (ASSOC. DEV. SV-4-2819, SV-4-310A, SV-4-200C)			
14-35	TB 4144	TERMINAL BOX (ASSOC. DEV. SV-4-2601, SV-4-2804, SV-4-2603, SV-4-2806)			

SECTION C2-14

FACILITY: TURKEY POINT
UNIT: 3 & 4

DOCKET NO:
UNIT 3 - 50-250
UNIT 4 - 50-251

INDEX TO COMPONENT EVALUATION WORK SHEETS

SYSTEM: MISCELLANEOUS - TERMINAL BOXES

PAGE NO.	PLANT IDENTIFICATION NUMBER	GENERIC NAME	REV	DATE	REMARKS
14-36	TB 4145	TERMINAL BOX (ASSOC. DEV. SV-4-200A, SV-4-200B, SV-4-310B)	0	5/2/80	
14-37	TB 4150	TERMINAL BOX (ASSOC. DEV. SV-4-841A, SV-4-2911, SV-4-2912, SV-4-2913)			
14-38	TB 4208	TERMINAL BOX (ASSOC. DEV. SV-4-2922, SV-4-2925, SV-4-2814)			
14-39	TB 4367	TERMINAL BOX (ASSOC. DEV. LT-4-474)			
14-40	TB 4368	TERMINAL BOX (ASSOC. DEV. FT-4-475,			
14-41		FT-4-495, FT-4-932)			
14-41	TB 4369	TERMINAL BOX (ASSOC. DEV. LT-4-494)			
14-42	TB 4371	TERMINAL BOX (ASSOC. DEV. PT-4-456, LT-4-460, LT-4-475, LT-4-495, LT-4-933)			
14-43	TB 4372	TERMINAL BOX (ASSOC. DEV. LT-4-475, FT-4-933)			
14-44	TB 4379	TERMINAL BOX (ASSO. DEV. FT-4-484, LT-4-486, LT-4-496)			
14-45	TB 4389	TERMINAL BOX (ASSOC. DEV. TE-4-422D)	↓	↓	

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TBJ044
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION PIPE AND VLV RM 18" ABOVE FLOOR

Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115 REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ______
No ______

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature ($^{\circ}F$)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in TMI. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2921).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3065
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION PIPE AND VLV RM 2'-5" ABOVE FLOOR

Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115 REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2922).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3067
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION CNMT SUMP PMP RM; 2'-6" ABOVE FLOOR

Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115 REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^{5} RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CNMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2911).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3122 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 5 Elev 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-102 REV 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2908).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3123 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 6 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-105 Rev 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2906).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3124 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 5 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-102 REV 7 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2907).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3125 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area6 Elev.58'-0" Ref Dwg No. Mech N/A Elect 5610-E-105 REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2905).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3126 Component: TERMINAL_BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 6 Elev 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-105 REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2909)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3127 Component: TERMINAL_BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 6 Elev 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-105 REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Pl. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2910).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT. VENTILATION & MISCELLANEOUS
PLANT ID NO. TB 3115
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT
Area 5
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-100 REV. 7
Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time		SEE ATTACHMENT #20	SEE NOTE 2	SEE ATTACHMENT #20	MATHEMATICAL ANALYSIS	NONE
Temperature (°F)	120°F	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Relative Humdity (%)	100%	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #20	---	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT #20	4	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-2921).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB3134 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION PIPE AND VLV RM 2'-7" ABOVE FLOOR Area 9 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-115 REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed In PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2925).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3135
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION CHARGING PMP RM; 2'-4" ABOVE FLOOR

Area 10
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-127, REV. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.4×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response).
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-957A).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB-3143
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES).
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 5
Elev. 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-100 REV 7

Flood Level Elev: 19'-0"
Above Flood Level: NOTE 3

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	190 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-310A).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3144 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES). FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 5 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-100 REV 7 Flood Level Elev: 19'-0" Above Flood Level: NOTE 3 Yes ____ No ____	Operating Time	½ hr.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-3-2601).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 3145 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 5 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-100 REV 7 Flood Level Elev: 19'-0" Above Flood Level: NOTE 3 Yes ______ No ______	Operating Time	190 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV -3-3108)
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3150
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION CTMT SPRAY RM. 2'-6" ABOVE FLOOR
Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115, REV. 10
Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2911).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3208
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES).
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308

MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION PIPE AND VLV RM 2'-10" ABOVE FLOOR

Area 9
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-115 REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-3-2810).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB3213
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION SI PUMP ROOM 2'-4" ABOVE ROOM

Area 10
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-127, REV. 7

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	7.5×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for PC-3-957A).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB 3301
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES).
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 5
Elev. 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-100, Rev. 7

Flood Level Elev: 19'-0"
Above Flood Level: NOTE 3

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	31 days	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices entered by this box (see Evaluation for LT-3-459).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB 3303
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 6
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-103, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level: NOTE 3

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for LT-3-474).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB3305 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: HELB (INSIDE & OUTSIDE) MITIGATE	Operating Time	5 MINS.	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
ACCURACY: Spec: N/A Demon: N/A	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
LOCATION NORTH ELEC. PENETRATION ROOM	Radiation	5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Area 24 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-140, REV. 7	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for FT-3-475).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB3306 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION NORTH ELEC. PENETRATION ROOM Area 14 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-140, REV. 7 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	5 MINS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation		SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE. SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for FT-3-475).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4044
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION PIPE AND VLV ROOM 2'-0" ABOVE FLOOR

Area 13
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-123, REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A
Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification	Outstanding
Parameter	Specification	Qualification	Specification	Qualification	Method	Items
Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humdity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-4-2810).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4067 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION CTMT SPRAY PMP RM; 2'-3" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123, REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	$7.5x10^5$ RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-4-2911).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: CTMT. VENTILATION & MISCELLANEOUS
PLANT ID NO. TB 4115
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE & MONITOR

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308

MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'-0"
Ref Dwg No.
Mech 5610-E-107 REV. 6
Elect

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time		SEE ATTACHMENT #20	SEE NOTE 2	SEE ATTACHMENT #20	MATHEMATICAL ANALYSIS	NONE
Temperature (°F)	120°F	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	ATMOSPHERIC	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Relative Humdity (%)	100%	SEE ATTACHMENT #20	SEE ATTACHMENT #5	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #20	---	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT #20	4	SEE ATTACHMENT #20	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-2921).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.
4. POST LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4122
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION:
LOCA/HELB (INSIDE) MITIGATE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT
Area 12
Elev. 58'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-112 REV 6
Flood Level Elev: 19'-0"
Above Flood Level:
Yes X
No ____

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2905).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4123 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 12 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-112 REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2906).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4124 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-109 REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2907)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4125 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-109 REV 5 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ___	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in FM. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2908).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4126 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 12 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-112, REV. 6 Flood Level Elev: 19'-0" Above Flood Level: Yes _X_ No ___	Operating Time	72 HOURS	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2909)

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB-4127 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 12 Elev. 58'-0" Ref Dwg No. Mech N/A Elect 5610-E-112 REV 6 Flood Level Elev: 19'-0" Above Flood Level: Yes X No ____	Operating Time	72 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL. AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2910).

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4134 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DWG.5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION PIPE AND VLV RM 2'-0" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123 REV. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.75×10^{5} RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Respcase)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-4-2921).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4135 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION CHARGING PUMP RM; 2'-3" ABOVE FLOOR Area 14 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-124, REV. 12 Flood Level Elev: N/A Above Flood Level: N/A Yes ___ No ___	Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	3.4×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for PC-4-957C).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4143 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-107 REV 6 Flood Level Elev: 19'-0" Above Flood Level: NOTE 3 Yes ____ No ____	Operating Time	190 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-310A).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4144 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-107 REV 6 Flood Level Elev: 19'-0" Above Flood Level: NOTE 3 Yes ____ No ____	Operating Time	½ hr	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-2601).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB 4145 Component: TERMINAL_BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-107 REV 6 Flood Level Elev: 19'-0" Above Flood Level: NOTE 3 Yes ____ No ____	Operating Time	190 Hrs.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE. SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for SV-4-3108).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB/150 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE) MITIGATE AND MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DWG.5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION CTMT SPRAY RM 3'-1" ABOVE FLOOR Area 13 Elev 18 FT Ref Dwg No. Mech N/A Elect 5610-E-123, Rev. 10 Flood Level Elev: N/A Above Flood Level: N/A Yes ____ No ____	Operating Time	31 DAYS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
	Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
	Radiation	7.5×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	NONE	---	NONE . SEE NOTE 1
	Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)

2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.

3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-4-2911).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4208
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION: LOCA/HELB (INSIDE) MITIGATE

MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A

ACCURACY: Spec: N/A
Demon: N/A

SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY

LOCATION PIPE AND VLV ROOM 2'-0" ABOVE FLOOR

Area 13
Elev 18 FT
Ref Dwg No.
Mech N/A
Elect 5610-E-123 REV. 10

Flood Level Elev: N/A
Above Flood Level: N/A

Yes ____
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	72 HRS	SEE ATTACHMENT 7	SEE NOTE 3	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Pressure (PSIA)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Relative Humidity (%)	NOTE 2	N/A	NOTE 2	N/A	N/A	NONE
Chemical Spray	N/A	N/A	N/A	N/A	N/A	NONE
Radiation	3.75×10^5 RADS	SEE ATTACHMENT 7	4	SEE ATTACHMENT 7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1
Submergence	NOT REQUIRED	NONE	---	NONE	---	NONE SEE NOTE 1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Temp, Press, and humidity inside the auxiliary building are not considered significant parameters for evaluation. These are not affected by the accident condition inside the CTMT. anymore than during the normal shutdown mode of operation.
3) Operating time indicated reflects the longest time of device catered by this box (see evaluation for SV-4-2922).

*DOCUMENT REFERENCES: 4. POST-LOCA RADIATION OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4367
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 11
Elev. 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-113, REV. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____ NOTE 3

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 HRS.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for LT-4-474)
3) Actual elevation will be determined by containment walkdown.
4) Inspection will be done during next scheduled outage to verify the splice material utilized for FT-4-475 and FT-4-495 which are catered by this box.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4368 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES). FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 12 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-110, REV. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____ NOTE 3	Operating Time	31 Days	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humidity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for PT-4-932).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4369
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 12
Elev. 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-110, REV. 5

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____ NOTE 3

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 HRS.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for LT-4-494).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4371 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES) FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 11 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-113, REV. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____ NOTE 3	Operating Time	31 Days	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature ($^{\circ}$F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for LT-4-460)
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
	Parameter	Specification	Qualification	Specification	Qualification		
SYSTEM: MISCELLANEOUS PLANT ID NO. TB4372 Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES). FUNCTION: LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308 MODEL NO: N/A ACCURACY: Spec: N/A Demon: N/A SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY LOCATION INSIDE CONTAINMENT Area 12 Elev. 14'-0" Ref Dwg No. Mech N/A Elect 5610-E-110, REV. 5 Flood Level Elev: 19'-0" Above Flood Level: Yes ____ No ____ NOTE 3	Operating Time	31 Days	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE
	Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
	Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in FM. II Response)
2) Operating time indicated reflects the longest time of devices entered by this box (see Evaluation for FT-4-933).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

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Rev. 0

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: MISCELLANEOUS
PLANT ID NO. TB4379
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES).
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE & MONITOR
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-113, REV. 5

Flood Level Elev: 19'-0"
Above Flood Level:
Yes ____ NOTE 3
No ____

	ENVIRONMENT		DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	24 HRS.	SEE ATTACHMENT # 7	See Note 2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Temperature (°F)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Pressure (PSIA)	See Attachment #1	SEE ATTACHMENT # 7	1	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Relative Humdity (%)	100%	SEE ATTACHMENT # 7	Assumed	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT # 7	2	SEE ATTACHMENT # 7	Engineering ANALYSIS	NONE SEE NOTE 4
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES:
1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in Ph. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for LT-4-496).
3) Actual elevation will be determined by containment walkdown.
4) Inspection will be done during next scheduled outage to verify the splice material utilized for FT484 which is catered by this box.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

FACILITY: TURKEY POINT
UNIT: 3 & 4
DOCKET: 50-250 & 50-251

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION

SYSTEM: RCS
PLANT ID NO. TB4389
Component: TERMINAL BOX (SEE MASTER LIST FOR ASSOC. DEVICES)
FUNCTION:
LOCA/HELB (INSIDE & OUTSIDE) MITIGATE
MANUFACTURER: FIELD FABRICATED PER BECHTEL DRAWING 5610-E-308
MODEL NO: N/A
ACCURACY: Spec: N/A
Demon: N/A
SERVICE: TO PROVIDE LOCAL INTERCONNECT FACILITY
LOCATION INSIDE CONTAINMENT

Area 11
Elev 14'-0"
Ref Dwg No.
Mech N/A
Elect 5610-E-107, Rev. 6

Flood Level Elev: 19'-0"
Above Flood Level:

Yes ____
No ____ NOTE 3

ENVIRONMENT			DOCUMENT REFERENCE*		Qualification Method	Outstanding Items
Parameter	Specification	Qualification	Specification	Qualification		
Operating Time	1/2 HOUR	SEE ATTACHMENT #7	SEE NOTE 2	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Temperature (°F)	SEE ATTACHMENT #1	SEE ATTACHMENT #7	1	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Pressure (PSIA)	SEE ATTACHMENT #2	SEE ATTACHMENT #7	1	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Relative Humdity (%)	100%	SEE ATTACHMENT #7	ASSUMED	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Chemical Spray	2030 PPM BORON SOL AS BORIC ACID	SEE ATTACHMENT #7	3	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Radiation	SEE ATTACHMENT #3	SEE ATTACHMENT #7	2	SEE ATTACHMENT #7	ENGINEERING ANALYSIS	NONE
Aging	NOT REQUIRED	NONE	---	---	---	NONE SEE NOTE #1
Submergence	NOT REQUIRED	NOT REQUIRED	---	---	---	NONE SEE NOTE #1

NOTES: 1) In the FSAR aging and submergence were not considered environmental parameters. (Will Be Addressed in PH. II Response)
2) Operating time indicated reflects the longest time of devices catered by this box (see Evaluation for TE-4-422D).
3) Actual elevation will be determined by containment walkdown.

*DOCUMENT REFERENCES:
1. POST LOCA PRESSURE & TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS.
2. POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS.
3. FPL LETTER TO USNRC L-75-210 DATED 4/30/75.

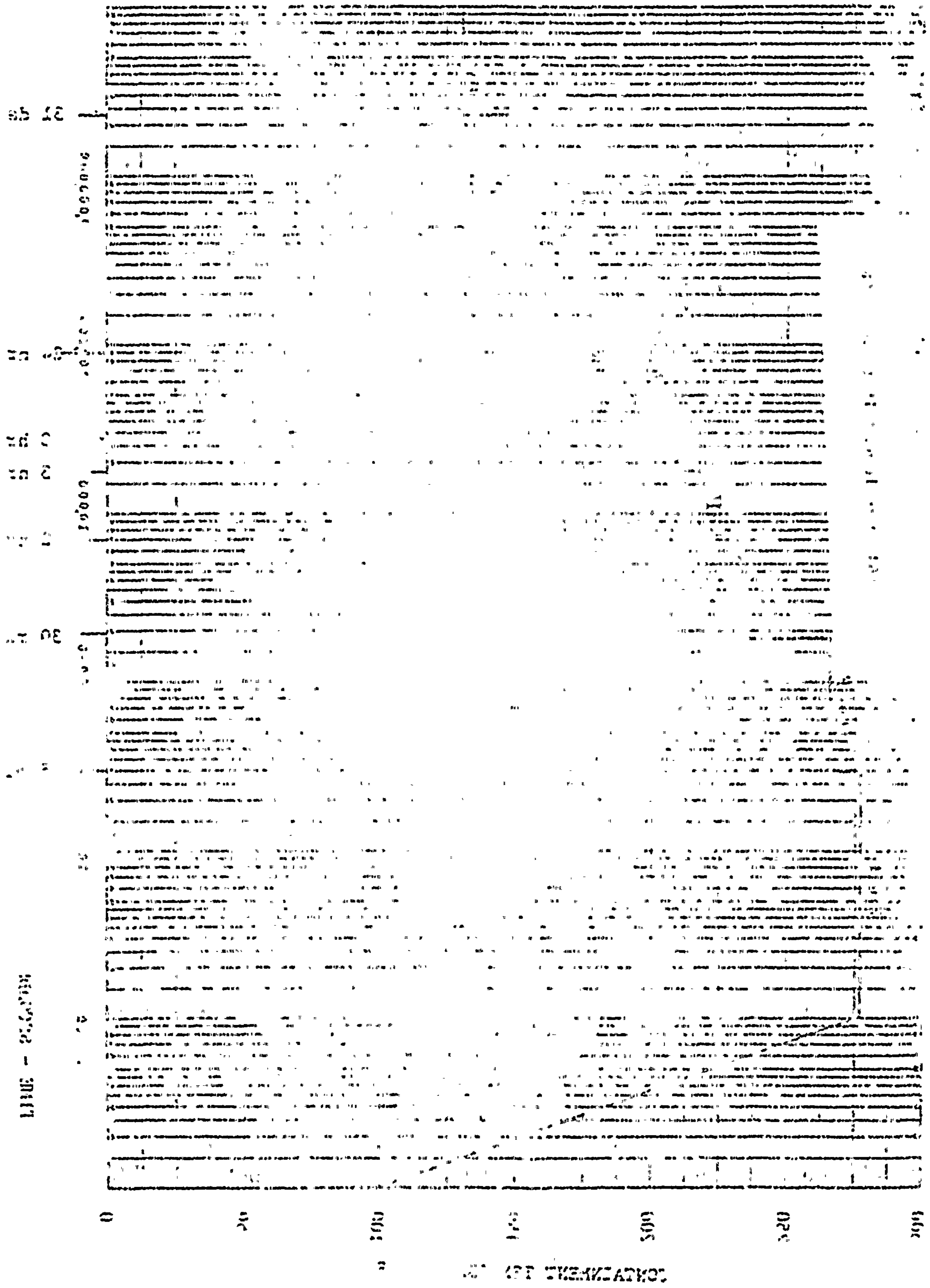
SECTION C 3

LIST OF ATTACHMENTS

NO.	DESCRIPTION
1.	CONTAINMENT POST LOCA TEMPERATURE PROFILE (SEE REF. DOCUMENT NO. 1)
2.	CONTAINMENT POST LOCA PRESSURE PROFILE (SEE REF. DOCUMENT NO. 1)
3.	CONTAINMENT POST LOCA RADIATION DOSE (SEE REF. DOCUMENT NO. 2)
4.	RCS PRESSURE TRANSMITTER, PT-403
5.	CONTINENTAL WIRE & CABLE TEST PROFILE ON CC-2200 CROSS LINKED POLYETHYLENE INSULATION
6.	HELB (HIGH ENERGY LINE BREAK) ENVIRONMENT OUTSIDE CONTAINMENT
7.	TERMINAL BOX QUALIFICATION
8.	PRESSURE, TEMPERATURE AND CHEMICAL SPRAY PROFILES FOR EMERGENCY COOLER FAN MOTORS.
9.	TEST CHAMBER TEMPERATURE PROFILE FOR ACCIDENT ENVIRONMENT SIMULATION
10.	LOCA SIMULATION PROFILE OF TEST PHASES FOR SAMUEL MOORE CABLE

ATTACHMENT NO. 1

(From Text [illegible] on Reference No. 1)



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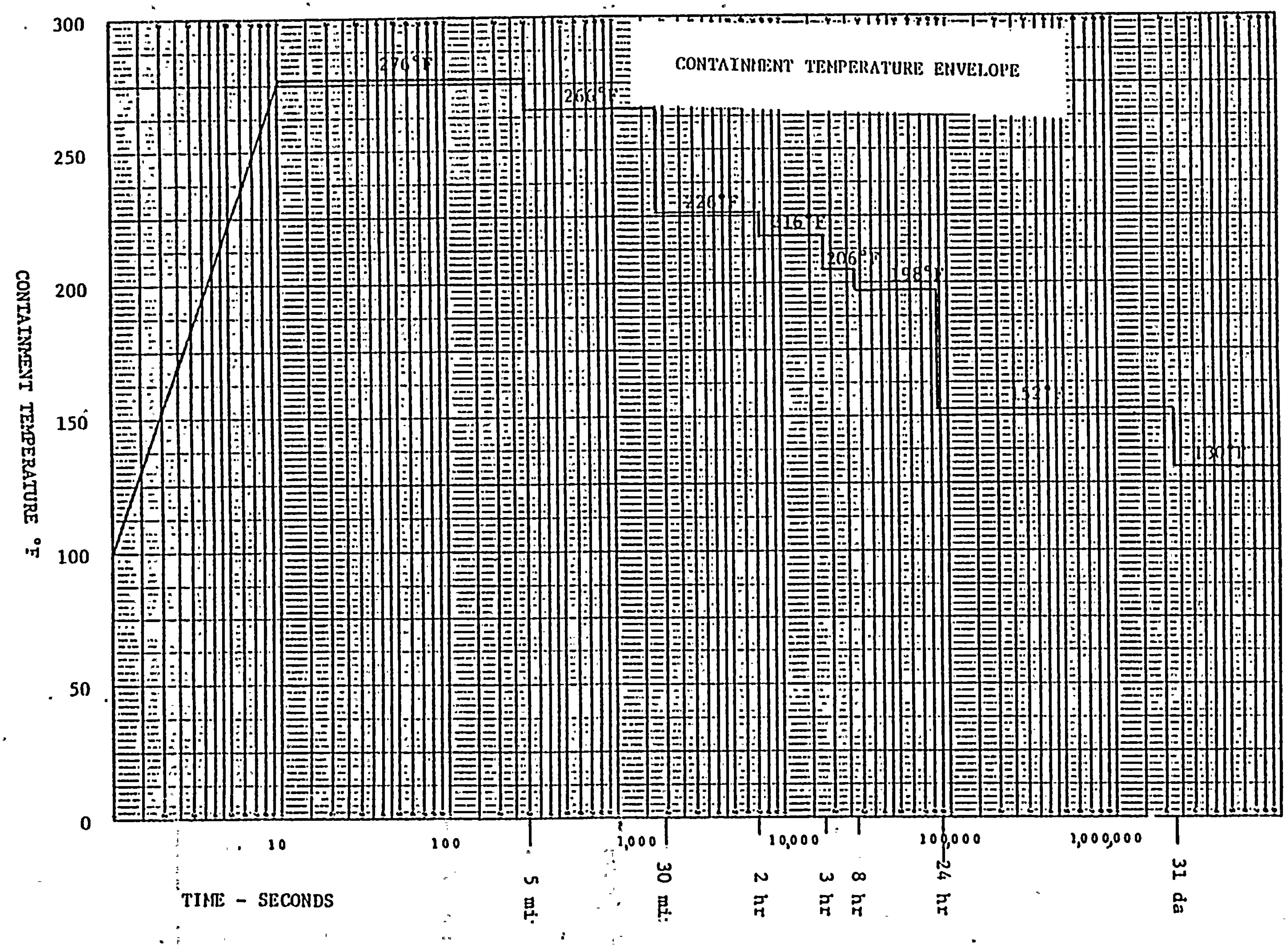
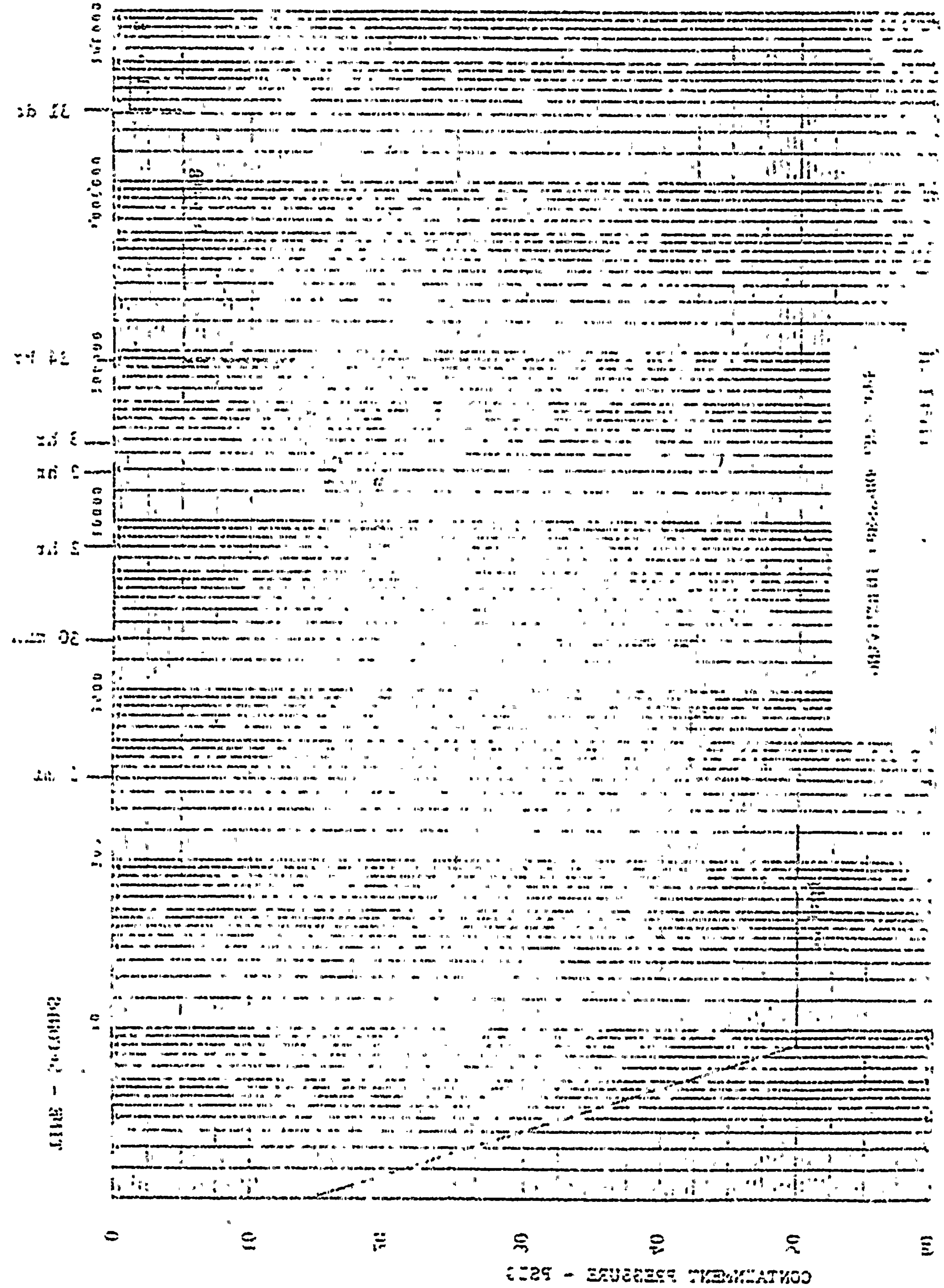

CONTAINMENT TEMPERATURE ENVELOPE

ATTACHMENT NO. 1
(From Documentation Reference No. 1)

ATTACHMENT NO. 2

(From Documentation Reference No 1)



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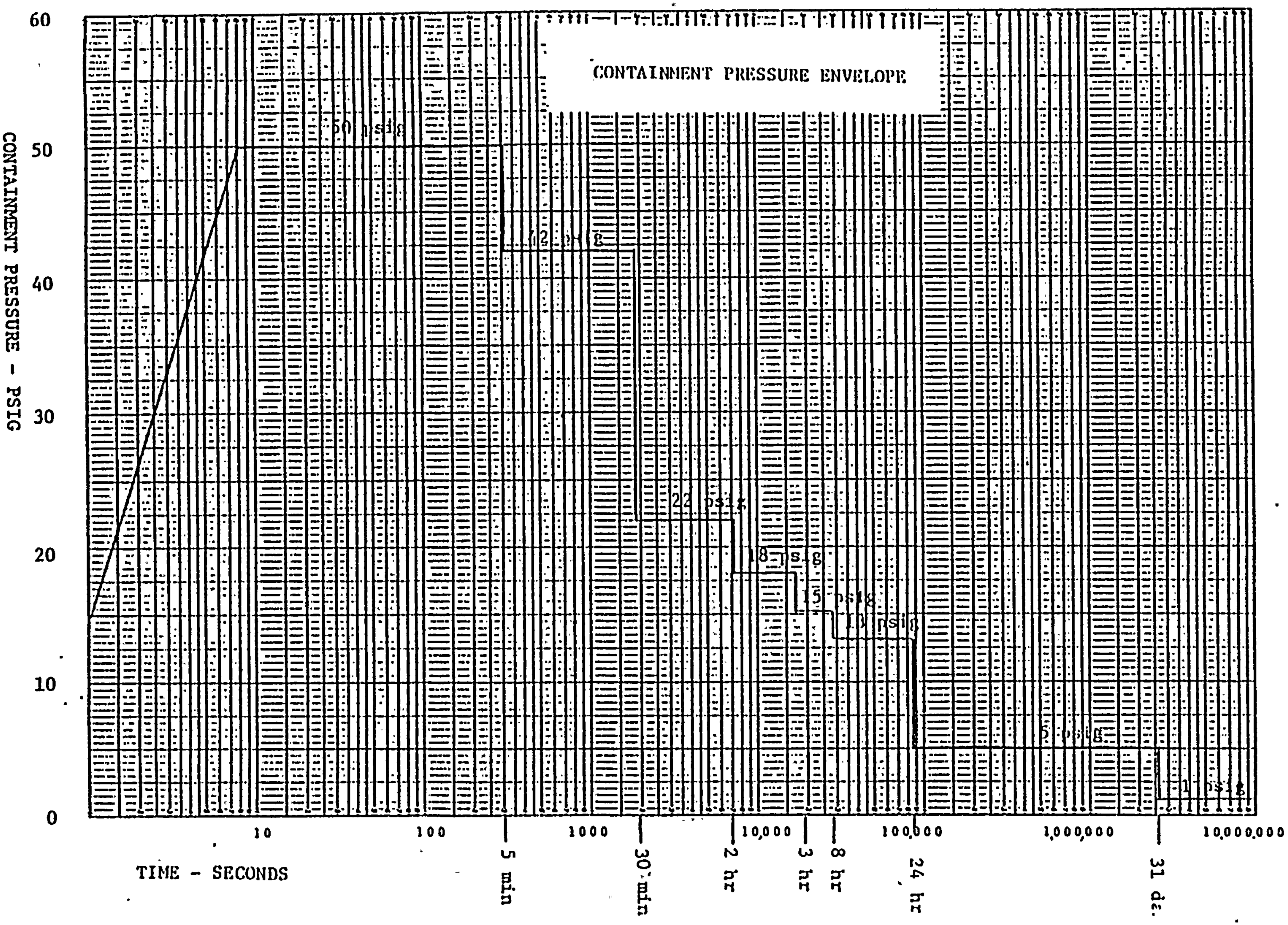

CONTAINMENT PRESSURE ENVELOPE

ATTACHMENT NO. 2
(From Documentation Reference No. 1)

ATTACHMENT NO. 3
(From Documentation Reference No. 2)

POST LOCA RADIATION DOSE INSIDE CONTAINMENT

PERIOD	INTEGRATED DOSE	CUMULATIVE INTEGRATED DOSE
0 - 5 Min	2×10^5 Rads(R)	2×10^5 Rads(R)
5 Min - 30 Min	6×10^5 R	8×10^5 R
30 Min - 2 Hr	2×10^6 R	2.8×10^6 R
2 Hr - 3 Hr	8×10^5 R	3.6×10^6 R
3 Hr - 8 Hr	3×10^6 R	6.6×10^6 R
8 Hr - 20 Hr	4×10^6 R	1.06×10^7 R
20 Hr - 24 Hr	8×10^5 R	1.14×10^7 R
24 Hr - 7 Days	1.6×10^7 R	2.74×10^7 R
7 Days - 31 Days	1.2×10^7 R	3.94×10^7 R

40 Year Normal Operation Integrated Dose @1 Rad/Hr (Conservative) Continuous For 40 years — 3.25×10^5 R

Total Cumulative 31 Day post-LOCA Integrated dose + 40 year normal operation integrated dose → 3.975×10^7 R

= 4.00×10^7 Rads

TURKEY POINT UNITS 3 & 4
IE BULLETIN 79-01B RESPONSE
REACTOR COOLANT PRESSURE TRANSMITTERS PT-403

The transmitters (PT-3-403 for Unit 3 and PT-4-403 for Unit 4) are redundant to PT-3-405 and PT-4-405 respectively, in providing wide range RC system pressure indication and a backup blocking signal to prevent opening of PORVs of the pressurizer below 2000 psig. The transmitters PT-403 and PT-405 also provide permissive interlock to open MOVs 750 and 751 respectively. These MOVs are in series and are in the RCS hot leg to RHR suction line. This line is used for normal reactor shutdown cooling.

During post accident, the emergency operating procedure for Turkey Point 3 and 4 [20001 (E-1), March 13, 1980] requires the following:

1. To monitor reactor coolant system pressure (Paragraph 5.2 - NOTE)
2. To stop all reactor coolant pumps after the Hi Head S. I. pump operation has been verified and when RCS pressure is at 1485 psig (Paragraph 5.2.5)
3. At a time not greater than 2 hours after the accident, if RCS pressure is stable and less than 465 psig, open MOVs 750 and 751 (Paragraph 5.2.11)

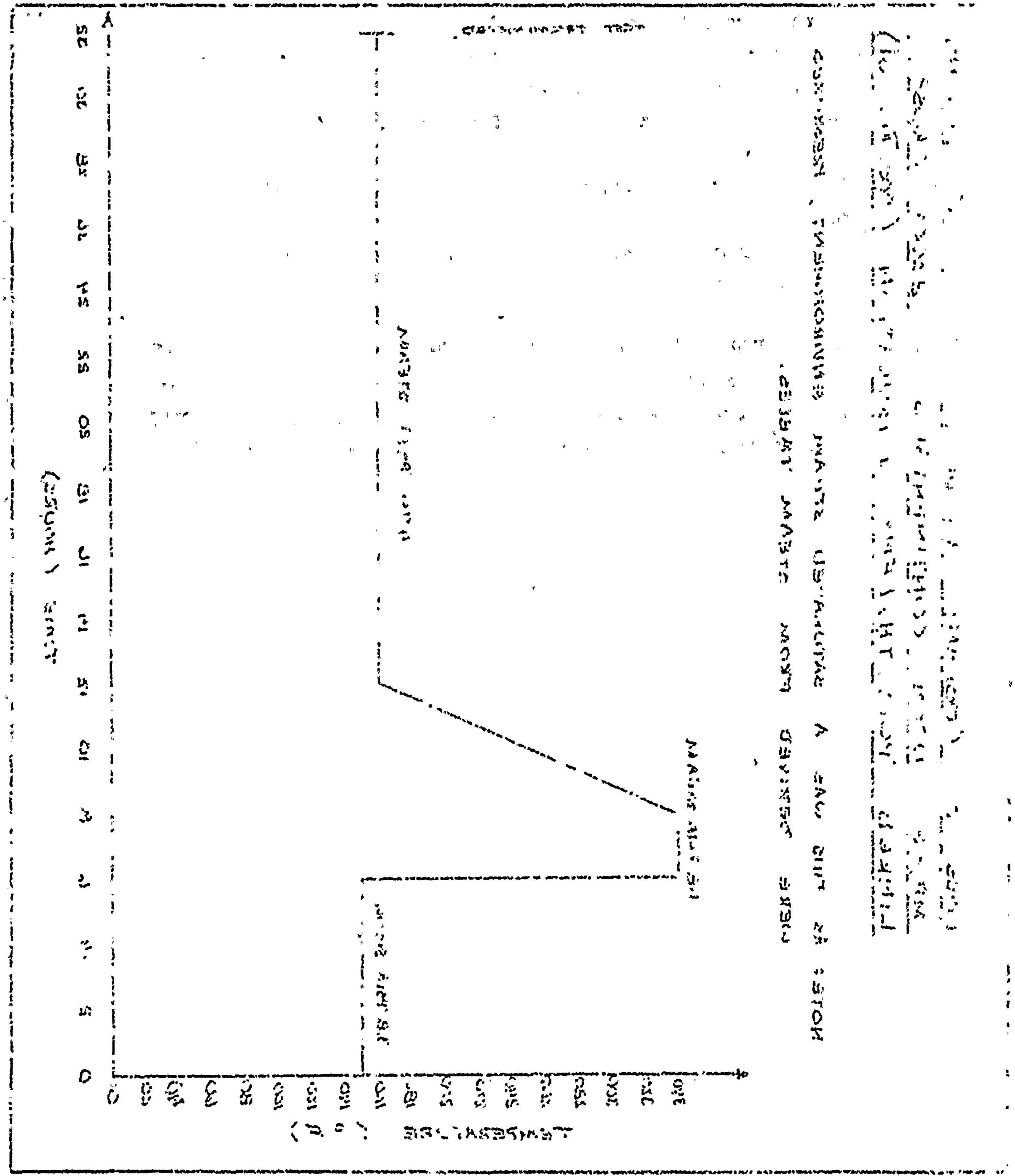
NOTE: Item # 3 (opening MOVs 750 and 751) enables the line (RCS hot leg to RHR suction) inside the containment opened and ready for hot leg recirculation using Lo Head RHR pumps 20 hours into accident. (See Table E-1.2, Step 3). This is a backup to the preferred use of Hi Head S. I. pump for hot leg recirculation.

According to the emergency operating procedure, both PT-403 and PT-405 are required to function for at least 2 hours into accident and preferably both are required for long term RCS pressure monitoring.

PT-403's in both Units 3 & 4 are "standard" Fischer & Porter transmitters, which according to the qualification data are not suitable for long term post LOCA operation. PT-405's are Fischer & Porter Hi Temp/Hi RAD model which will serve the long term monitoring function if PT-403's fail.

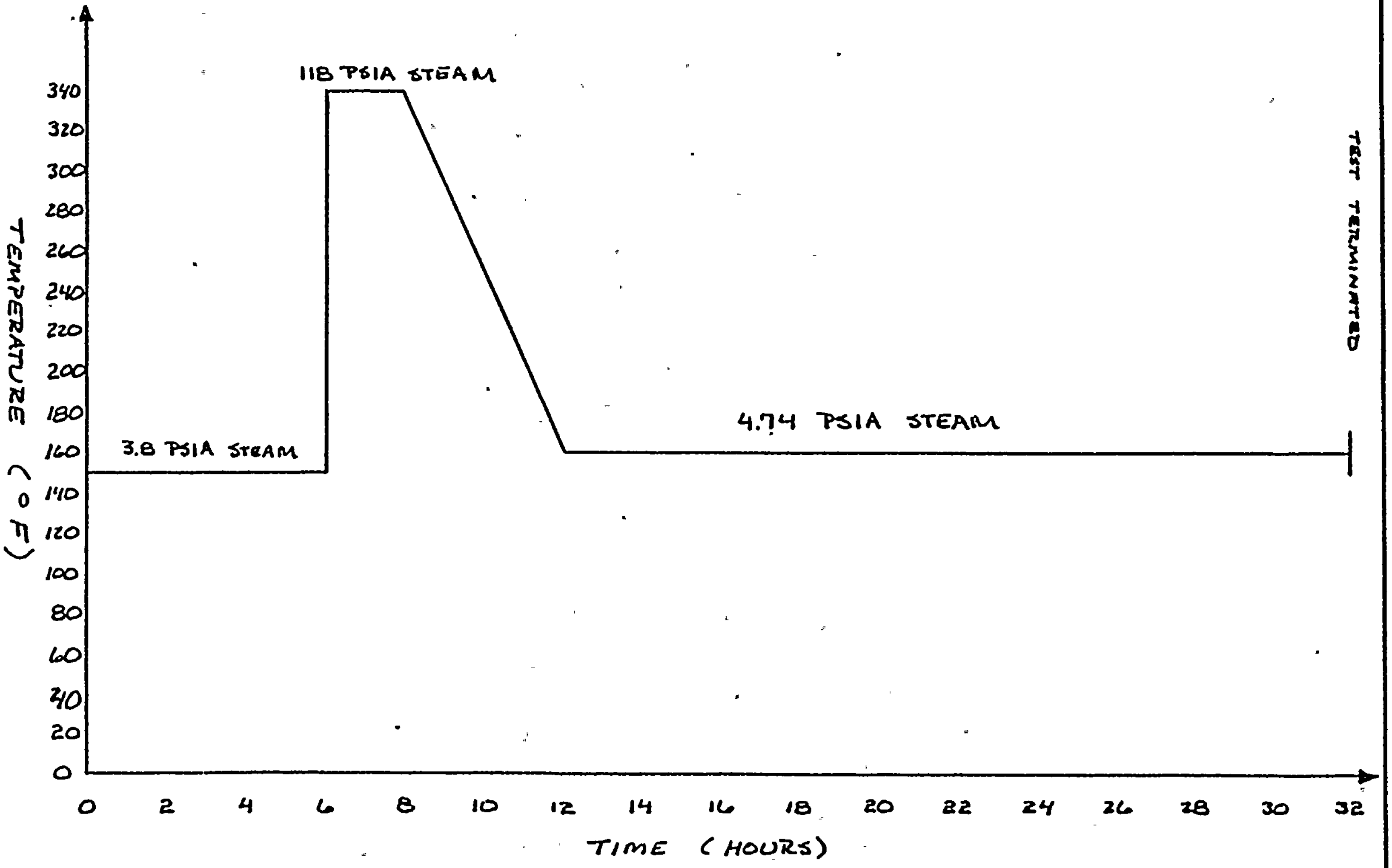
> NOTE: The long term monitoring is required to calculate sub-cooling margin. To satisfy Phase "A" of TMI Lessons Learned requirement, subcool margin indicators have already been installed using two new qualified pressure transmitters (PT-406, PT-407).

PT-403's would be replaced by qualified pressure transmitters at the first opportunity. In the meantime, the interlock on the MOV-750 may be jumpered at Contact 1-5 of relay PC-3/403A1X or PC-4/403A1X (located in racks 3QR47 and 4QR47 respectively) should an accident occur and the transmitter fails.



LOSS OF COOLANT ACCIDENT (LOCA) CONDITIONS IMPOSED UPON CONTINENTAL'S CC-2200 CROSS-LINKED POLYETHYLENE INSULATION. (DOC. REF. 31)

NOTE: AS THIS WAS A SATURATED STEAM ENVIRONMENT, PRESSURES WERE DERIVED FROM STEAM TABLES.



ATTACHMENT NO. 5

ATTACHMENT #6

TURKEY POINT UNITS 3 & 4
IE BULLETIN 79-01B RESPONSE

HIGH ENERGY LINE BREAK OUTSIDE CONTAINMENT

PURPOSE

To determine type of environment resulting from high energy line break outside containment for qualifying electrical equipment to mitigate the accident and/or monitor post-accident condition, if required.

REFERENCE

40.1 "Pipe Failure Analysis for Postulated Pipe Break Outside Containment" - FPL Letter to USAEC (Mr. A. Giambusso) dated June 21, 1973, updating their initial response of February 28, 1973, to USAEC's request for the analysis dated December 18, 1972.

40.2 USAEC's acceptance letter of April 2, 1973 addressed to FPL.

ANALYSIS

Most of the high energy systems (outside containment) are located outdoors at Turkey Point Plant (Units 3 and 4). This minimizes the consequence of breaks in pipes. The only high energy pipe breaks postulated in the Auxiliary Building per Reference #40.1, are in the chemical and volume control system. The Reference #40.1 identifies these lines and provides a discussion on inconsequential effects of the breaks in these lines. The other HELBs outside Auxiliary Building are in main steam and main feedwater systems. As the high energy lines are located outdoors, it is not possible to determine exactly the nature of the hostile environment created by pipe breaks at the postulated locations. Radiation will not be a factor associated with these HELB accidents. An environment of 212°F and 100% relative humidity is considered conservative for equipment qualification.

ATTACHMENT 7

PAGE 1 of 2

TURKEY POINT UNITS 3 & 4

IE BULLETIN 79-01B RESPONSE

TERMINAL BOXES

Terminal Boxes Inside Containment

Terminal boxes being evaluated inside containment typically house cable splices and thermocouple reference junctions. Cable splices and thermocouple reference junctions are separately evaluated. The terminal boxes therefore, provide only mechanical protection. Also, additional protection from containment environment after an accident (like chemical spray and some protection from temperature excursions) is provided to the equipment mounted inside box.

The terminal boxes are mode of 14 gauge hot dipped galvanized sheet steel. The boxes were field fabricated per Drawing 5610-E-308. The boxes were gasketed to provide a construction equivalent to NEMA 4 Enclosure.

The rise in containment pressure after accident will not affect the box as the pressure inside box will rise to the same level as outside. The box will act as a heat sink to the post accident temperature because of physical size. The temperature rise should not affect the box. The gasket might deteriorate, but the gasket is not utilized for sealing purpose. Metal has typically much higher radiation resistance than organic materials. As the qualification of the equipment mounted inside, which have organic materials, does not take any credit for the metallic enclosure, post accident radiation effect on the box is neglected. The sheet steel can withstand much higher level of radiation than the expected radiation dose in post accident condition. It is further assumed that the weak boric acid spray will have no significant effect on the enclosure.

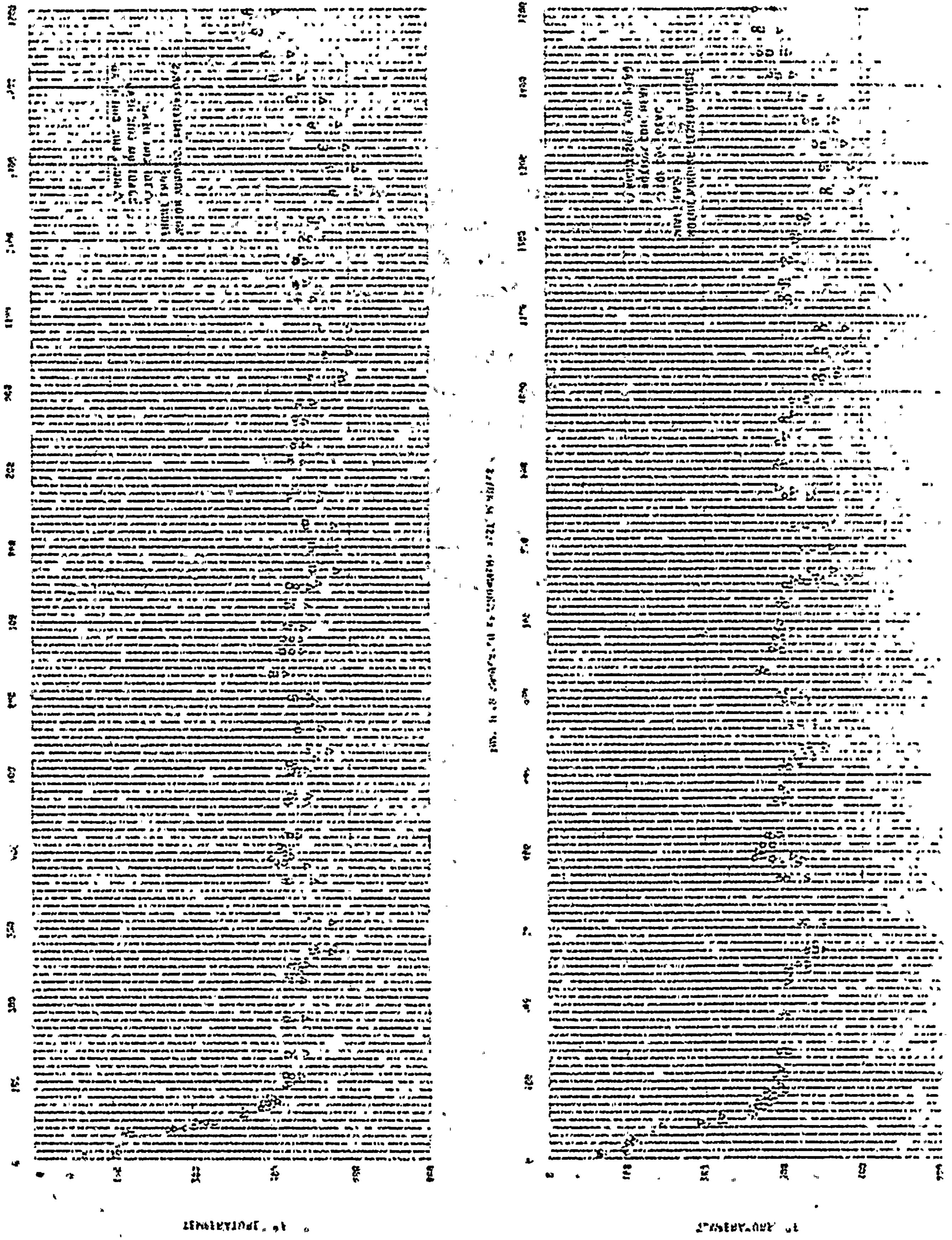
Terminal Boxes Outside Containment

Terminal boxes being evaluated outside containment, typically house cable terminations using General Electric Type EB 25 terminal blocks. The terminal block is separately evaluated. The terminal boxes therefore, provide mechanical protection to the blocks and cable terminations inside.

The boxes are constructed similar to the ones inside containment. The post LOCA environment seen by the boxes in auxiliary building is only radiation. The levels of radiation in the auxiliary building are much lower than the ones experienced by the boxes inside containment. Consequently, the boxes in auxiliary building can withstand the radiation without causing any loss of function.

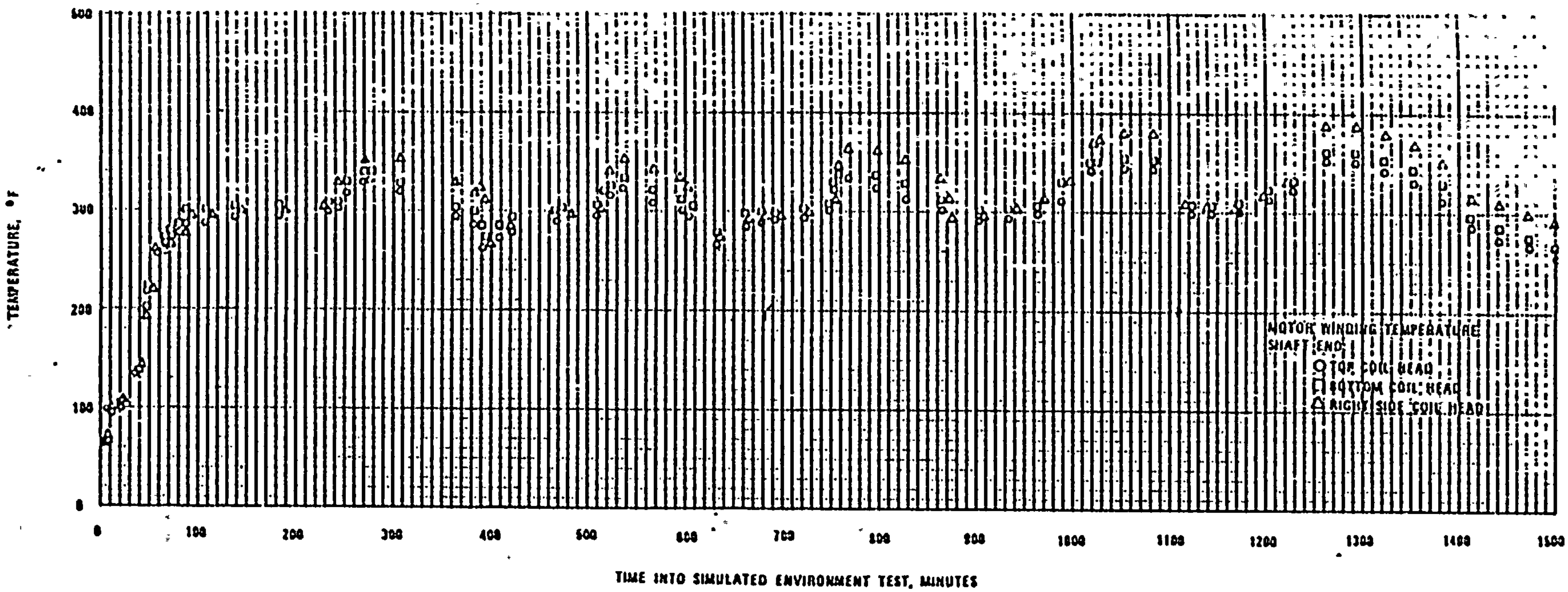
Based on this analysis, the terminal boxes inside and outside containment are deemed qualified.

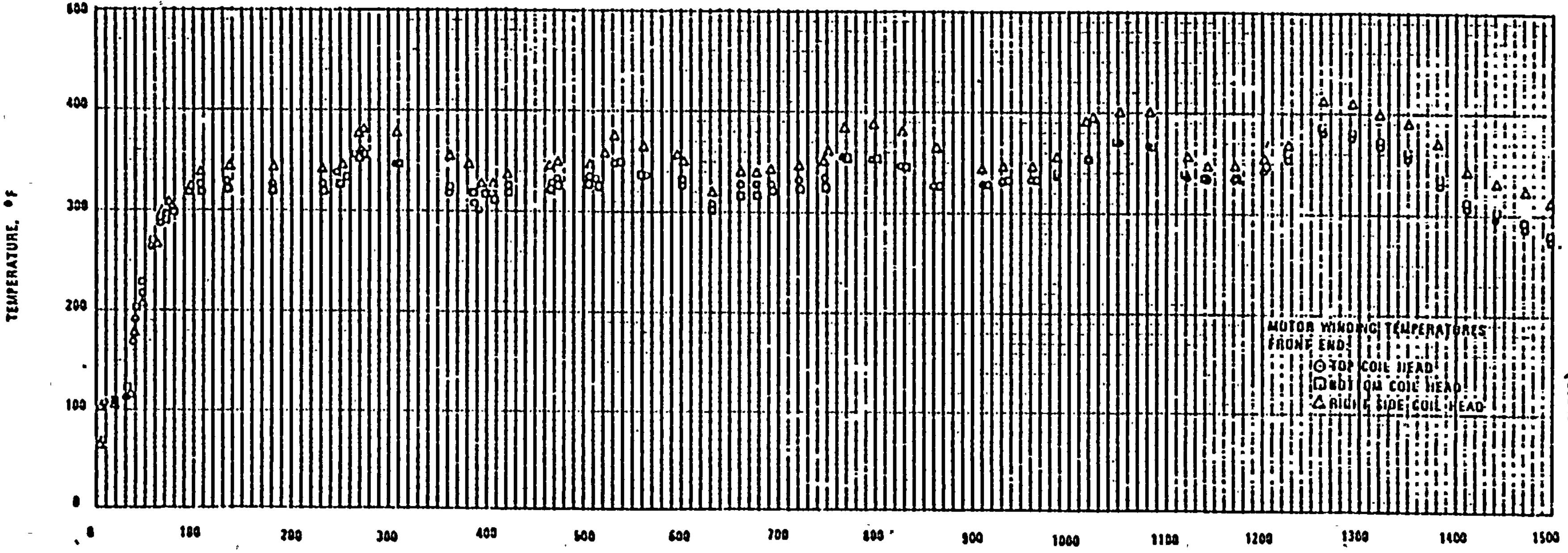
ATTACHMENT NO. 3
PAGE 1 of 3
From Jet Engineering Report
(Reference No 10)



REF: IEEE REPORT NO. NSG/TCS/SC2-A

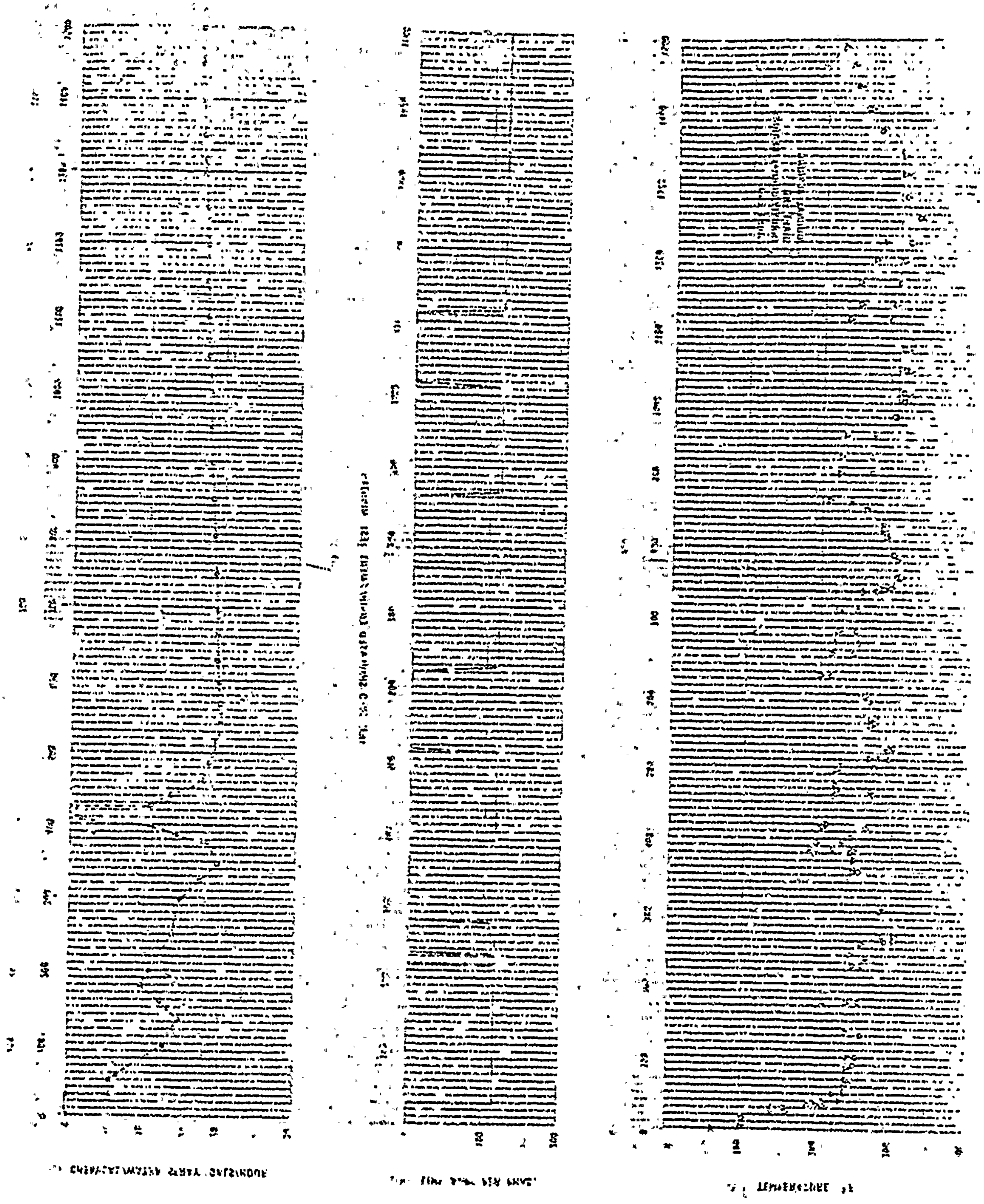
JOY AXIVANE FAN, MODEL 60-[illegible]200/600, SERIES 2000
RELIANCE MOTOR, FRAME 5005, RATED 150/75 HP

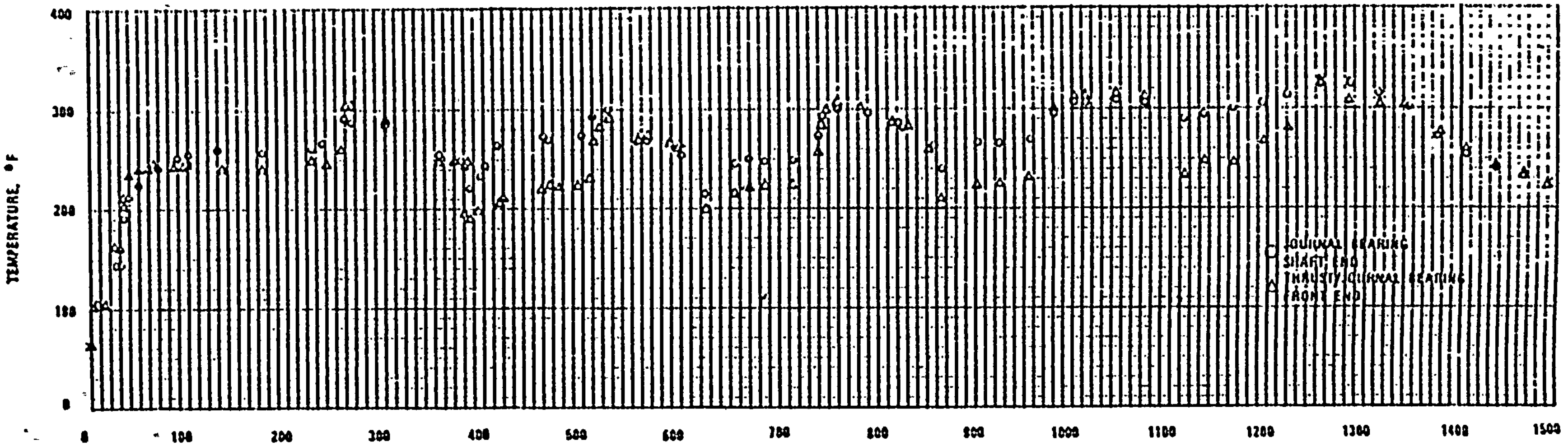


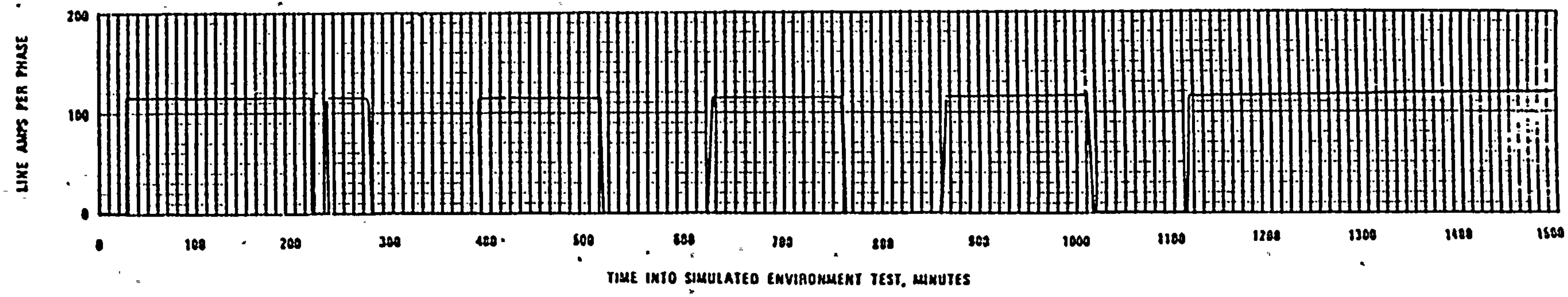


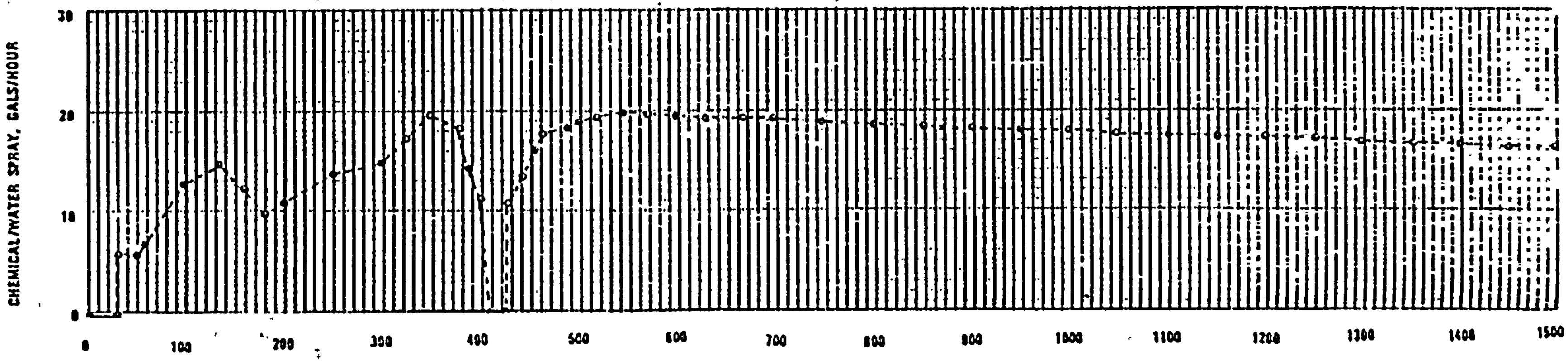
ATTACHMENT NO. 8
PAGE 1 of 3
From Joy Engineering Report
(Reference No. 10)

ATTACHMENT NO. 2
PAGE 2 of 3









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PAGE 2 of 3

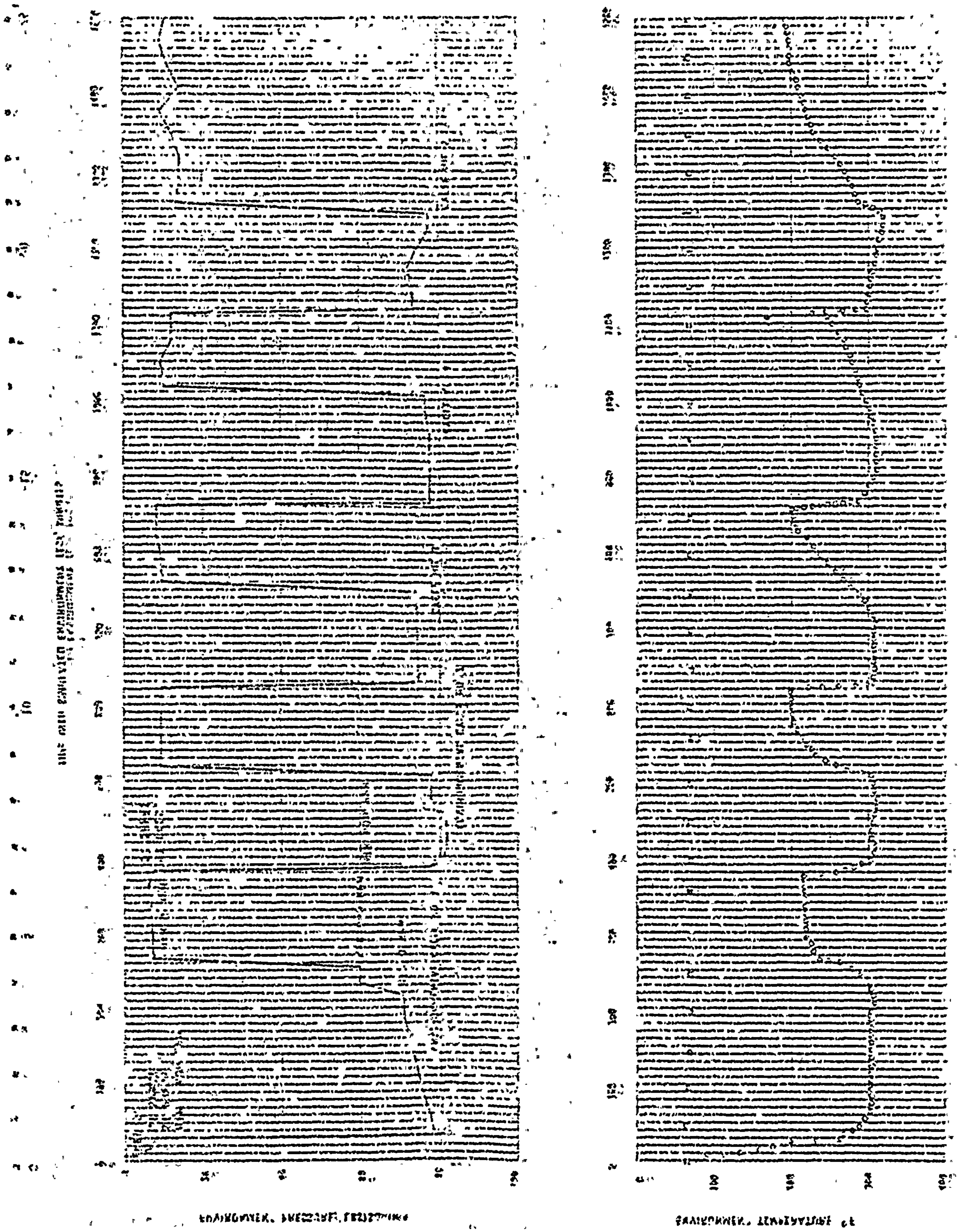
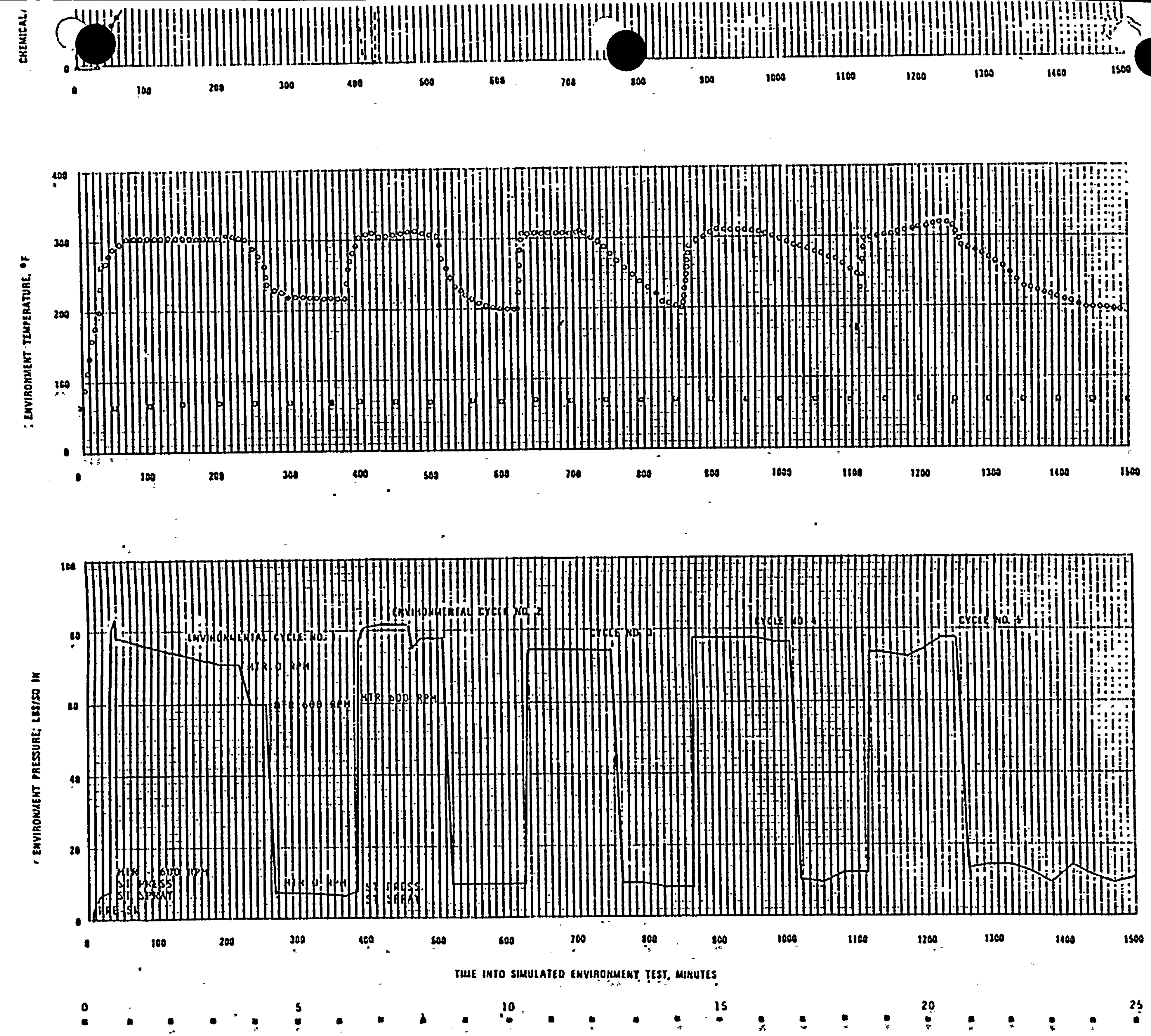
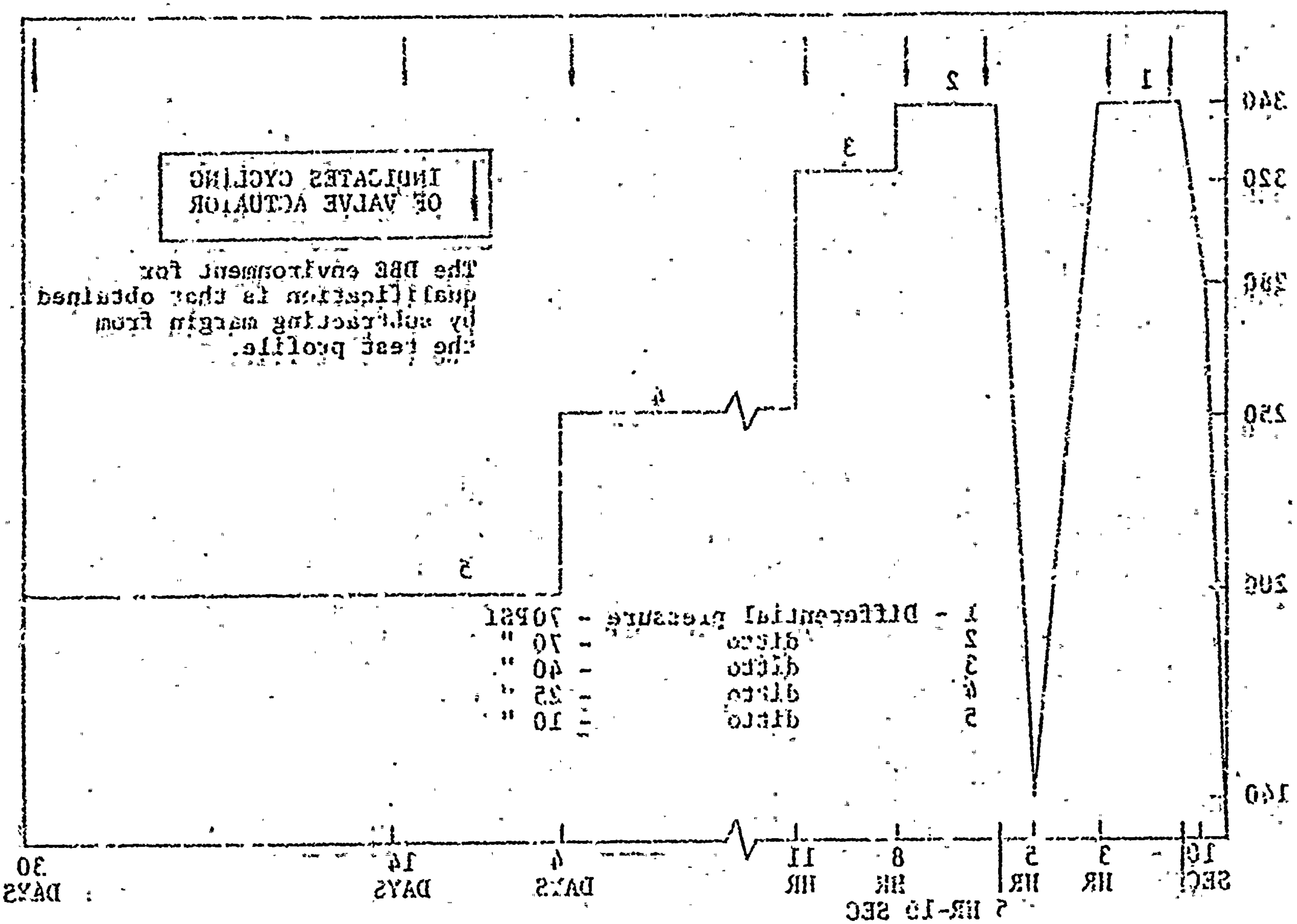


FIGURE ET-



ATTACHMENT NO. 8
PAGE 3 of 3

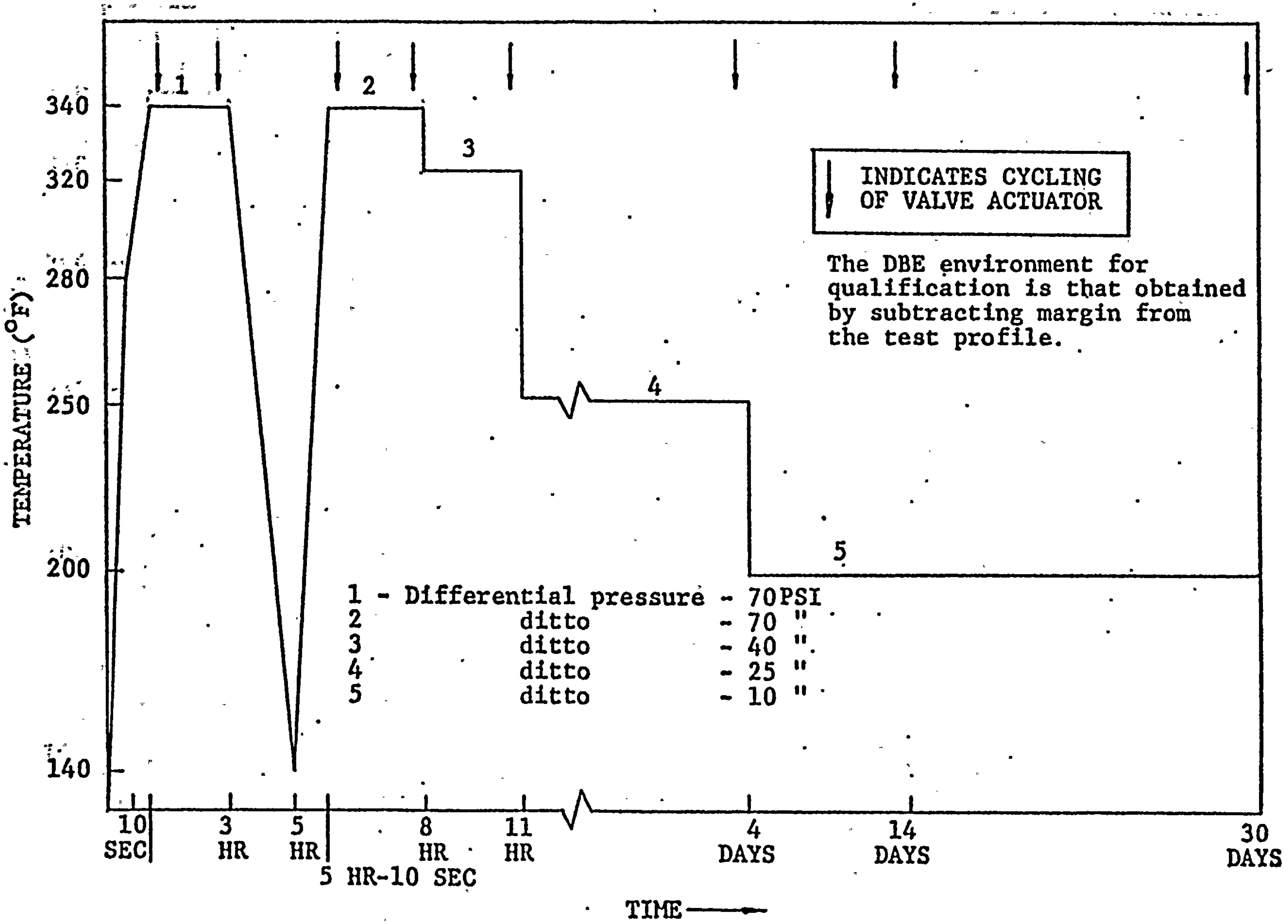
FIGURE ET-



1 - Differential pressure - 70PSI
2 ditto - 70 "
3 ditto - 40 "
4 ditto - 25 "
5 ditto - 10 "

The DBE environment for qualification is that obtained by subtracting margin from the test profile.

Fig 1
Test Chamber Temperature Profile for Accident Environment Simulation
(Taken from IEEE Standard 382-1972)



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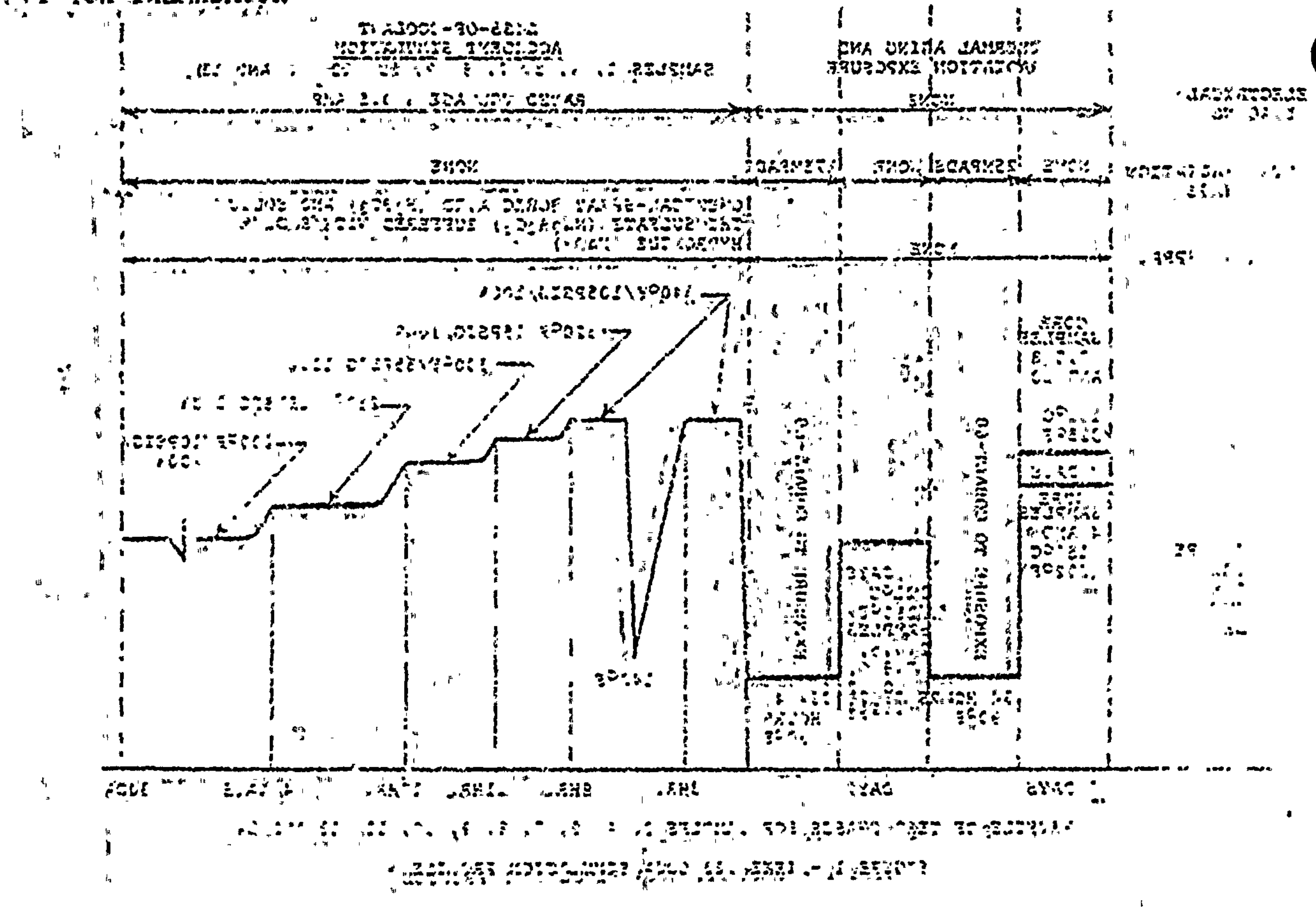
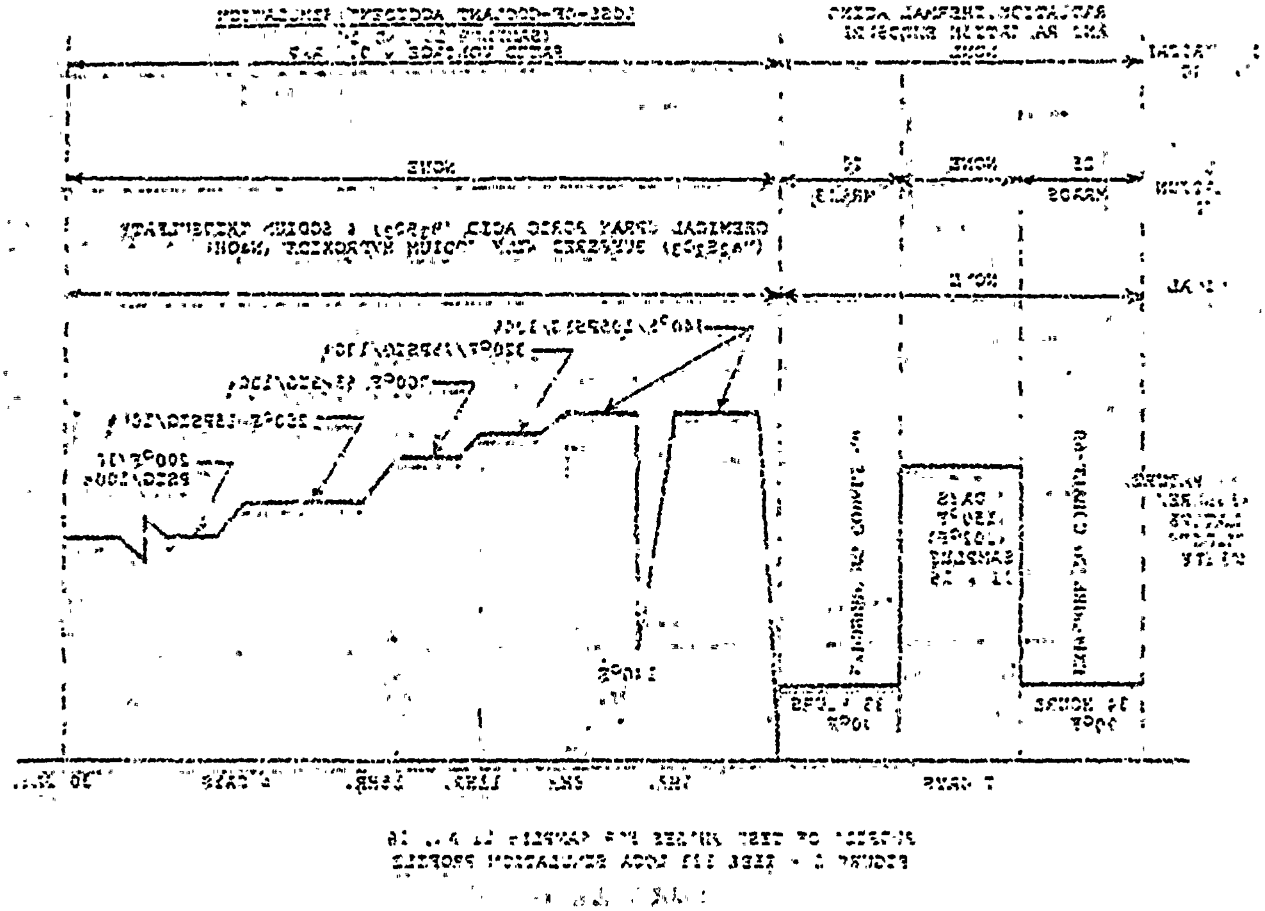
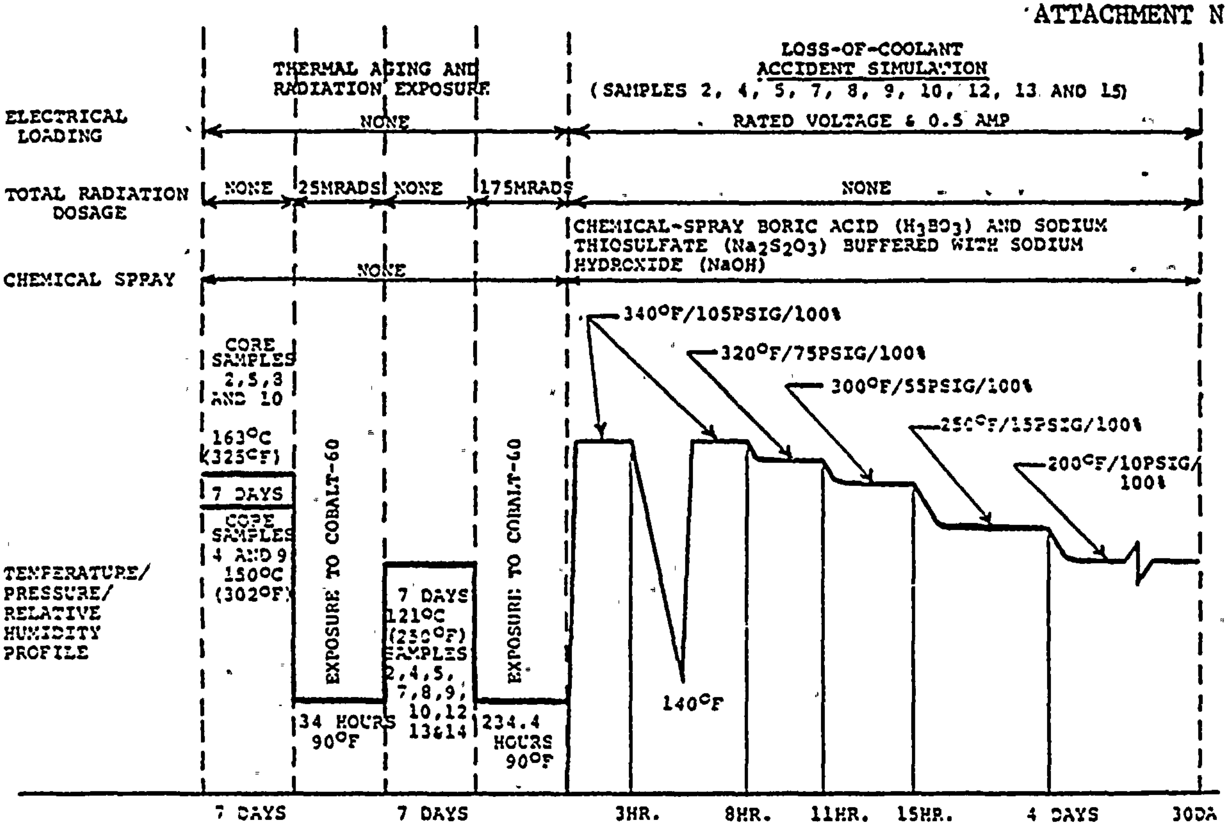


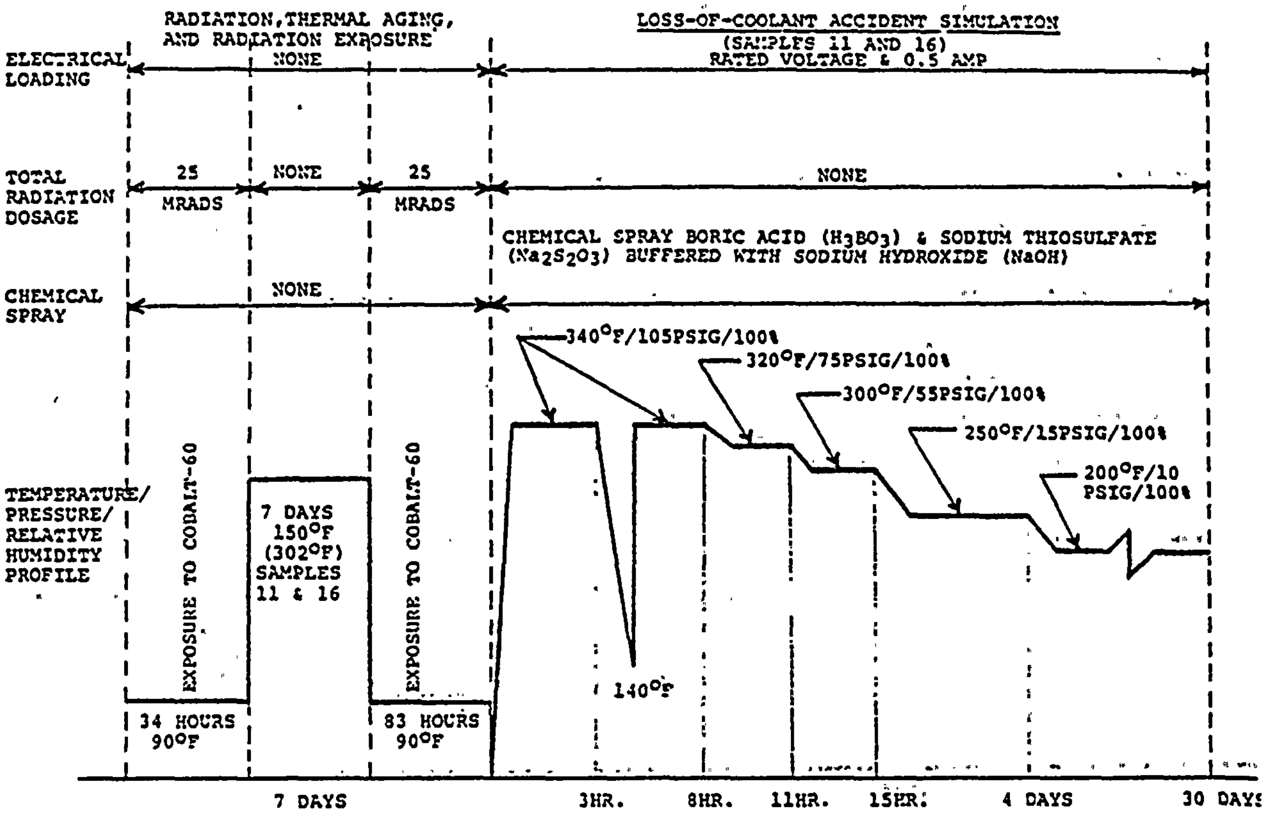


ATTACHMENT NO. 10

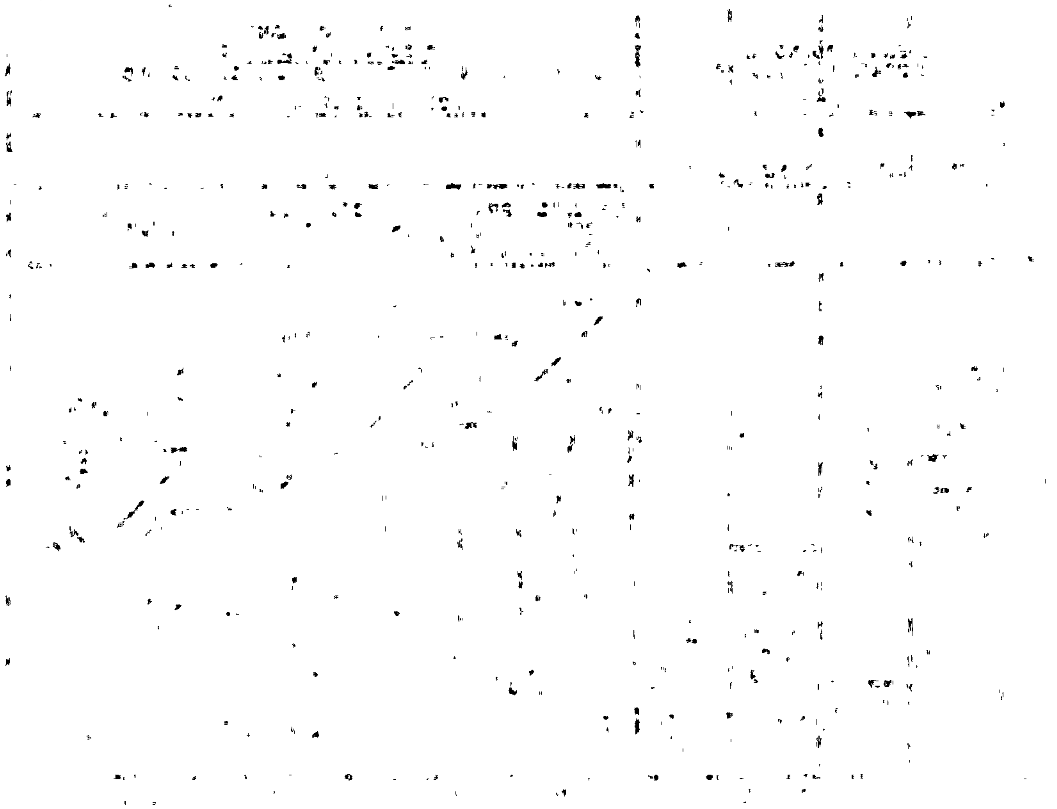


PROFILE OF TEST PHASES FOR SAMPLES 2, 4, 5, 7, 8, 9, 10, 12, 13 AND 14

FIGURE 1 - IEEE 323 LOCA SIMULATION PROFILE



PROFILE OF TEST PHASES FOR SAMPLES 11 AND 16
FIGURE 2 - IEEE 323 LOCA SIMULATION PROFILE



[illegible]

[illegible]

SECTION C 4

LIST OF QUALIFICATION DOCUMENT REFERENCES

(Located in Turkey Point Document Control)

NO.	DESCRIPTION
1.	POST LOCA PRESSURE AND TEMPERATURE TRANSIENTS INSIDE CONTAINMENT - ENGINEERING ANALYSIS (5177-M08-124-1 & 5177-M08-124-2)
2.	POST LOCA RADIATION DOSE INSIDE CONTAINMENT - MATHEMATICAL ANALYSIS
3.	FPL LETTER TO USNRC L-75-210 DATED 4-30-75
	3.1. FPL CALCULATION OF T.P. RECIRC. SUMP LIQUID PH ADJUSTMENT
	3.2 CALCULATION OF POST LOCA CONTAINMENT SUMP LEVEL
4.	POST LOCA RADIATION DOSE OUTSIDE CONTAINMENT - MATHEMATICAL ANALYSIS
5.	FISCHER & PORTER REPORT # DP-2224-1 RPT # 002
6.	FISCHER & PORTER REPORT # DP-2224-1 RPT # 004
7.	FISCHER & PORTER TEST REPORT 2204-51-B-006
8.	FISCHER & PORTER LETTER 3-6-75 WITH AMERON LAB TEST # 1550a DATED 3-23-72
9.	WESTINGHOUSE LETTER NS-CE-1586, 10-28-77
10.	JOY ENGINEERING TEST REPORT 1969, V.P. 5610-M-39-41-1
11.	WESTINGHOUSE WCAP-7410-L VOL. I OF II FINAL REPORT F-C2639 BY FRANKLIN INSTITUTE RESEARCH LAB (NOV. 1969)
12.	WESTINGHOUSE WCAP-7410-L VOL. I OF II, FINAL REPORT F-C2667 BY FRANKLIN INSTITUTE RESEARCH LAB (NOVEMBER 1969)
13.	WESTINGHOUSE WCAP-9157 SECTION 2-7 AND APPENDICES
14.	WESTINGHOUSE WCAP-7410-L VOL. I OF II SECTION 5
15.	WESTINGHOUSE WCAP-7410-L VOL. I OF II APPENDIX D FINAL REPORT F-C2485-01
16.	WESTINGHOUSE WCAP-7410-L VOL I OF II APPENDIX C FINAL REPORT F-C2232-01
17.	FSAR TABLE 6.7-1
18.	FPL LETTER L-75-247 TO NRC, MAY 21, 1975
19.	LIMITORQUE TEST REPORT # 600198

20. WESTINGHOUSE WCAP-7410-L VOL. II OF II TOPICAL REPORT, ENVIRONMENTAL TESTING

21. ENGINEERING ANALYSIS OF DOUSING VALVES

22. ANALYSIS OF OPERATING TIME FOR DEVICES COVERED IN IE BULLETIN 79-01B MASTER LIST

23. RAYCHEM LETTER 4-14-80 ON HEAT SHRINKABLE TUBING "RNF-100"

24. OKONITE LETTER (MARCH 22, 1971) TO BECHTEL AND IEEE TRANSACTIONS PAPER, VOL. PAS 88, NO. 5 MAY 1969

25. BECHTEL LETTER (APRIL 7, 1980) TO OKONITE AND OKONITE REPLY (APRIL 10, 1980)

26. ENGINEERING ANALYSIS OF CROUSE-HINDS PENETRATIONS

27. WESTINGHOUSE SPECIFICATION SHEETS FOR INSTRUMENTS

28. QUALIFICATION TEST OF LIMITORQUE VALVE ACTUATOR IN A STEAM ENVIRONMENT FIRL F-C3271

29. A STATUS REPORT ON G.E. WIRE AND CABLE DEPARTMENT COMPREHENSIVE TESTING PROGRAM WITH COVER LETTER FROM G.E. DATED MAY 30, 1949, AND MATHEMATICAL ANALYSIS

30. ENGINEERING ANALYSIS OF THERMOCOUPLE EXTENSION WIRE

31. CONTINENTAL WIRE & CABLE TEST REPORT AND MATHEMATIC ANALYSIS

32. CHARCOAL FILTER TEMPERATURE ELEMENTS - ENVIRONMENTAL QUALIFICATION - ENGINEERING ANALYSIS

33. CONTAINMENT-VENT AIR FLOW SWITCHES - ENVIRONMENTAL QUALIFICATION - ENGINEERING ANALYSIS

34. ITT BARTON QUALITY RELEASE FOR LEVEL TRANSMITTERS

35. ENGINEERING ANALYSIS FOR REPLACEMENT SOLENOID VALVES (INSIDE CONTAINMENT)

36. FISCHER & PORTER DIFFERENTIAL PRESSURE TRANSMITTER - TEMPERATURE EXTRAPOLATION.

37. HEAT SHRINKABLE INSULATING SLEEVES - ENGINEERING ANALYSIS BASED ON FIRL REPORT F-C4033-3

    37.1 PC/M 79-35 & 36 SIGN OFF INSPECTION SHEETS

38. ENGINEERING ANALYSIS OF MACKWORTH G. REES LOCAL CONTROL STATIONS

39. SCOTCH TYPE 23 ELECTRICAL TAPE - PRODUCT DATA & 3M LETTER OF 4-14-80

40.1 FPL LETTERS TO USAEC ON PIPE BREAK ANALYSIS 2-26-73 AND 6-21-73

40.2 USAEC LETTER TO FPL 4-2-73

41. STATIC O RING PRESSURE SWITCHES - ENGINEERING ANALYSIS ON QUALIFICATION

42. ENGINEERING ANALYSIS ON QUALIFICATION OF MOTOROLA PRESSURE TRANSMITTERS

43. QUALIFICATION TYPE TEST REPORT NO. B0003 LIMITORQUE VALVE ACTUATORS OUTSIDE PRIMARY CONTAINMENT

44. QUALIFICATION TEST REPORT FOR ROSEMOUNT PRESSURE TRANSMITTER RMT REPORT NO. 3788 REV. A

45. ENGINEERING ANALYSIS OF RCS TO RHR INLET ISOLATION VALVES

46. ENVIRONMENTAL QUALIFICATION/ANALYSIS OF UNITED ELECTRIC PRESSURE AND LEVEL CONTROLLERS

47. ENVIRONMENTAL QUALIFICATION OF CLASS IE MOTORS FOR NUCLEAR OUT-OF-CONTAINMENT USE WESTINGHOUSE WCAP-8754 (PAGES 4-1 & 5-1)

48. ENGINEERING ANALYSIS - QUALIFICATION OF SOLENOID VALVE IN AUXILIARY BUILDING AND STEAM LINE BREAK AREAS

49. ENGINEERING ANALYSIS CHARCOAL FILTER DOUSING VALVES

50. QUALIFICATION ANALYSIS FOR NAMCO LIMIT SWITCHES

51. ISOMEDIX TEST REPORT FOR INSTRUMENT CABLE FOR PT-406 AND PT-407 RCS PRESSURE TRANSMITTERS

52. QUALIFICATION OF REPLACEMENT NAMCO CONTROLS LIMIT SWITCH MODEL EA-180-11302

53. ENGINEERING ANALYSIS FOR AGING OF DEVICES COVERED IN IEB-7901B MASTER LIST