

ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED
ELECTRICAL EQUIPMENT
IEB 79-01B

TECHNICAL EVALUATION REPORT
DOCKET NO. 50-250
PLANT: Turkey Point 3
DATED: October 28, 1980

Licensee: Florida Power and Light Company

Type Reactor: Westinghouse PWR

Prepared by: A. Ruff



Engineering Support Section
Reactor Construction and Engineering
Support Branch, RII

8106010424

4-12



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Attachment 2	List of Standard Systems
Attachment 3	List of Documents That Support Environmental Qualification of Licensee's Equipment
Attachment 4	Outstanding Items (Licensee Identified)



1. INTRODUCTION

1.1 General

The NRC Office of Inspection and Enforcement (I/E) issued Bulletin 79-01B, "Environmental Qualification of Class 1E Equipment" in January 1980. This bulletin required the licensee to perform a detailed evaluation of the environmental qualification on Class 1E electrical equipment required to function under postulated accident conditions and to submit a report on this action.

This document is a report on the evaluation of the licensee's response to this bulletin.

2. BACKGROUND AND DISCUSSION

2.1 General

The evaluation of the licensee's response was accomplished by performing an on-site inspection of selected class 1E equipment and by examining the licensee's report for completeness and technical accuracy. The licensee's reports used in this evaluation are dated July 3, 1980, and therefore, does not include the response to the bulletin supplement which was issued on 9/30/80 in the form of Generic Questions and Answers.



2.2 On-Site Inspections

The on-site inspection, made on selected 1E equipment, verified proper installation of equipment, overall interface integrity, location with respect to flood level for equipment inside the containment, and manufacturers nameplate data. The manufacturer and model number from the nameplate data was compared to information given in the Component Evaluation Work Sheets (CES) of the licensee's report.

Components that were examined during the field inspection are identified by a Delta (W) in Attachment 1. If any discrepancies were noted between the installed equipment and the correspondent equipment addressed in the licensee's report, they are discussed in Section 4 of this report. The site inspection is documented by report number 50-250/80-18 of October 29, 1980.

2.3 Evaluation of Licensee's Report

Each component as addressed on the Component Evaluation Work Sheets (CES) of the licensee's report was examined for completeness and accuracy to the criteria given in the bulletin. This examination assumed qualification documents (analysis, test reports, etc.) referenced by the licensee in their submittal are acceptable.

The results of this examination are documented in Attachment 1. The CES page numbers in column 1 of Attachment 1 is the same CES page found in the licensee's report.



3. GENERAL INFORMATION

3.1 Identification Of Class 1E Electrical Equipment

The licensee's list of systems was compared to the systems listed on Attachment 2. This list is considered to be a standard list for Westinghouse NSSS PWR reactors.

It is recognized that there are differences in nomenclature of systems because of plant vintage and engineering design, therefore, many of these systems may not exist for Turkey Point 3 plant or the function of these systems for the Turkey Point 3 plant may be performed by comparable systems with different names. In any case, all the systems of Attachment 2 were not addressed or listed in the licensee's report. To insure completeness and uniformity of reports of similar design, it is considered that the licensee should address the following systems:

- (a) Feedwater Control
- (b) Containment Spray
- (c) High Pressure Injection
- (d) Low Pressure Injection
- (e) Accumulators
- (f) Pressurizer Spray
- (g) Power Operated Relief Valves
- (h) Steam Dump



- (i) Containment Sump
- (j) Safety Equipment Area Ventilation

Each of the above systems should be analyzed and a brief discussion should explain how the system was addressed or why it was excluded from the report. For example: "Reactor Protection System - This is a valid system designation at Turkey Point 3 plant; however, the input signals to this system are obtained from various components in other systems that are included in this report."

3.2 Service Conditions

The service condition accident environment, HELB/LOCA inside containment and HELB outside containment are indicated or discussed in the licensee's report and are based on the FSAR accident analysis.

3.3 Qualification Documentation

Attachment 3 is list of documents (test reports, analysis, letters, etc.) used by the licensee in determining the environmental qualification of plant equipment for Turkey Point. These references have been tabulated by the licensee and are indicated on the applicable CES of their report.



4. EQUIPMENT DATA REVIEW

- 4.1 Equipment that is considered to meet IEB 79-01B requirements are categorized as 1 in the last column of Attachment 1.
- 4.2 Equipment whose qualified life (Aging) is less than the life of the plant is categorized as 2 in the last column of Attachment 1.
- 4.3 The licensee has identified specific equipment which has been or is being replaced, modified or relocated as a result of their IEB 79-01B efforts. This equipment is categorized as 3 in the last column of Attachment 1.
- 4.4. Equipment whose qualification is unresolved (such as, a qualification record search is still in process, tests are scheduled to determine qualification, additional information is needed by the NRC reviewer to satisfy him that equipment is qualified, etc.) is categorized as 4 in the last column of Attachment 1.
- 4.5 Equipment that the licensee has identified as not being capable of meeting environmental qualification requirements for service intended required a "Licensee Event Report" (LER).

No LER's with regard to IEB 79-01B actions were received in Region II.



- 4.6 Equipment whose qualification (Aging exempted to a certain degree - see DOR guideline Section 4) is unresolved, as identified by the licensee is listed in Attachment 4 as Outstanding Items.

The licensee has provided justification for continued plant operation for many, if not all, of these outstanding items in their report. In many cases, this is provided on their CES or in a special section of the report. In some cases the licensee states that this justification is by Engineering Analysis that are available at their office.

- 4.7 No differences were noted between the data obtained during the on-site inspection and the data listed on the CES of the licensee report. Equipment that was examined during the on-site field inspection are identified by an asterisk (*) in Attachment 1.

5. CONCLUSIONS

Due to the time constraints imposed by the Commission Memo and Order of 5/28/80 this evaluation is based on the licensee submittal dated July 3, 1980. This licensee's report does not address all items that may be pertinent to Turkey Point 3 plant as a result of a bulletin supplement issued on 9/30/80. This bulletin supplement, in the form of Generic Questions and Answers, was the result of regional meetings with licensees during the week of July 13, 1980. Any additional information received as a result of this supplement will be evaluated by the EQB of NRR.



The licensee's actions meet the requirements of the Commission Memo and Order of 5/28/80 and justification for continued plant operation with many of the components that have unresolved qualification items is indicated in Section 4.6. Based on the information available, the Region II reviewer considers that the justification is commensurate for the areas identified, that the proposed corrective action meets requirements of the Commission Memo and Order of 5/28/80, and therefore, plant operation can continue until these items are resolved as committed to by the licensee.

This evaluation is based on the on-site inspections, the information supplied by the licensee in their submittal, their FSAR, and the assumption that the Qualification Documents (Test Reports, Analysis, Letter, etc.) are acceptable.

The results of this evaluation does not necessarily imply that the equipment is unreliable, unsafe or represents a significant safety issue; it does imply that additional information is required. This is indicated by the applicable categorization indicated in the last column of Attachment 1.



FACILITY Turkey Point 3; 50-250
 SYSTEM Reactor Coolant

ATTACHMENT 1
 FOR IEB 79-01B
 TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1-1	PT-3- 403	PT	✓	UL	UL	—	✓	P	6	B	yes	yes	L	2, 3, 6
1-2	PT-3- 405	PT	✓	4b.	✓	—	✓	✓	6	B	—	yes	L, R	3, 4b, 6
1-3	PT-3- 406	PT	✓	4b.	✓	—	4b.	✓	6	B	—	yes	L, R	3, 4b, 6
1-4	PT-3- 404	PT	✓	4b	✓	—	4b	✓	6	B	—	yes	L, R	3, 4b, 6
1-9	PT-3- 455	PT	✓	P	P	—	✓	P	6	✓	—	—	R	6
1-10	PT-3- 456	PT	✓	P	P	—	✓	P	6	✓	—	—	R	6
1-11	PT-3- 457	PT	✓	P	P	—	✓	P	6	✓	—	—	R	6
1-15	LT-3- 459	LT	UL	P	P	—	✓	P	6	✓	yes	—	L	3
1-16	LT-3- 460	LT	UL	P	P	—	✓	P	6	✓	yes	—	L	3
1-17	LT-3- 461	LT	UL	P	P	—	✓	P	6	✓	yes	—	L	3
1-21	TE-3- 412B	TE	✓	P	P	—	4b	P	6	✓	—	—	—	6, 4b.
1-22	TE-3- 412D	TE	✓	P	P	—	4b	P	6	✓	—	—	—	6, 4b
1-23	TE-3- 422B	TE	✓	P	P	—	4b	P	6	✓	—	—	—	6, 4b.

Code:

- B = Indicates the item is below the flood level
- ✓ or S = Indicates the item is Satisfactory
- or N = Indicates the item is Not Applicable
- UL = Indicates the item is Unresolved, Licensee identified
- P = Proprietary
- L = Licensee identified
- R = Reviewer identified
- 1 = Equipment is qualified
- 2 = Aging is less than life of plant with licensee indicating periodic replacement

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER OB/ DATE 12-20-81



FACILITY Turkey Point 3; 50-250
 SYSTEM Reactor Coolant

ATTACHMENT I
 FOR IEB 79-01B
 TER

PAGE 2 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
1-24	TE-3- 422D	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	6, 4b
1-25	TE-3- 432B	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	6, 4b
1-26	TE-3- 432D	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	6, 4b
1-33	535	MOV	✓	P	P	-	✓	P	-	✓	-	-	-	1
1-34	563	MOV	✓	P	P	-	✓	P	-	✓	-	-	-	1
1-37	410	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	6, 4b
1-38	413	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	6, 4b
1-39	420	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	4b, 6
1-40	423	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	4b, 6
1-41	430	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	4b, 6
1-42	433	TE	✓	P	P	-	4.b	P	6	✓	-	-	-	4b, 6

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REVIEWER GRJH DATE 10/8/80



FACILITY Turkey Point 3, 50-250
 SYSTEM Chem Volume Control

ATTACHMENT 1
 FOR IEB 79-018
 TER

PAGE 1 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Suba.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
2-1	SV-3- 310A	SV				—			—	✓	yes	—	L	3
2-2	CV-3 310A	LT.SW				—			—	✓	yes	—	L	3
2-3	SV-3 310B	SV				—			—	B	yes	yes	L	3
2-4	CV-3 310B	LT.SW				—			—	B	yes	yes	L	3
2-9	SV-3 200A	SV				—			—	B	yes	— ^{tr}	L	3, #
2-10	CV-3 200A	LT.SW				—			—	B	yes	"	L	3, #
2-11	SV-3 200B	SV				—			—	B	yes	#	L	3, #
2-12	CV-3 200B	LT.SW				—			—	B	yes	#	L	3, #
2-13	SV-3 200C	SV				—			—	B	yes	#	L	3, #
2-14	CV-3 200C	LT.SW				—			—	B	yes	#	L	3, #
2-21	—	Elec. Panel Xducer	—	—	—	✓	✓	—	—	—	—	—	L	2
2-22	HCV-3- 121	LT.SW	—	—	—	✓	✓	—	—	—	—	—	—	1
2-25	SV-100	SV	—	—	—	✓	✓	—	—	—	—	—	L	2

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= Licensee states that
 function will be completed
 before unit is submittal.

REVIEWER Orin DATE 10/2/80

FACILITY Turkey Point 3; 50-250
 SYSTEM Chem Volume Control

ATTACHMENT I
 FOR IEB 79-01B
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PAGE 2 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
2-26	TIC- 100	Cont.	—	—	—	✓	✓	—	6	—	—	—	L	2, 6
2-27	LC- 1A	Cont.	—	—	—	✓	✓	—	6	—	—	—	L	2, 6
2-28	FT-3- 110	FT	—	—	—	✓	✓	—	6	—	—	—	—	6
2-30	3-P201A	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
2-31	3-N201A		—	—	—	✓	✓	—	—	—	—	—	L	2
2-32	PS-3- 201A	P. Sw.	—	—	—	✓	✓	—	6	—	—	—	L	2, 6
2-33	3- P201A	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
2-34	3-N201B		—	—	—	✓	✓	—	—	—	—	—	L	2
2-35	PS-3- 201B	P. Sw.	—	—	—	✓	✓	—	6	—	—	—	L	2, 6
2-36	3- P201C	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
2-37	3-N201C		—	—	—	✓	✓	—	—	—	—	—	L	2
2-38	PS-3- 201C	P. Sw.	—	—	—	✓	✓	—	6	—	—	—	L	2, 6
2-48	3- P203A	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1

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REVIEWER CL DATE 10/1/50



FACILITY Turkey Point 3; 50-250
SYSTEM Chem Volume Control

ATTACHMENT 1
FOR IEB 79-01B
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PAGE 3 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
2-49	3N203A	STOK	—	—	—	✓	✓	—	—	—	—	—	L	2
2-50	3R203B	MTR	—	—	—	✓	✓	—	—	—	—	—	—	1
2-51	3N203B	STOK	—	—	—	✓	✓	—	—	—	—	—	L	2
2-56	T206		—	—	—	✓	✓	—	—	—	—	—	—	1
2-57	N206	STOK	—	—	—	✓	✓	—	—	—	—	—	L	2
2-58	MOV-3- 3-50	MOV	—	—	—	✓	✓	—	—	—	—	—	—	1
2-60	FT-3- 122	FT	—	—	—	✓	✓	—	—	—	—	—	L	2

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REVIEWER ALY DATE 10/20/80



FACILITY Turkey Point 3; 50-250
 SYSTEM Safety Injection + Residual Heat Removal

ATTACHMENT 1
 FOR IEB 79-01B
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PAGE 1 OF 4

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subn.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
3-1	PT-3-940	T	—	—	—	✓	✓	—	6	—	—	—	—	2, 6
3-3	PT-3-943	T	—	—	—	✓	✓	—	6	—	—	—	—	2, 6
3-5	FT-3-940	T	—	—	—	✓	✓	—	6	—	—	—	—	2, 6
3-6	FT-3-943	T	—	—	—	✓	✓	—	6	—	—	—	—	2, 6
3-9	FT-3-932	T	✓	✓	✓	—	✓	—	6	B	—	yes	L	3, 6
3-10	FT-3-933	T	✓	✓	✓	—	✓	—	6	B	—	yes	L	3, 6
3-13	FT-3-605	T	—	—	—	✓	✓	—	6	—	—	—	—	2, 6
3-17	3P210A	MTR	—	—	—	✓	✓	—	—	—	—	—	—	1
3-18	3P210B	MTR	—	—	—	✓	✓	—	—	—	—	—	—	1
3-21	MUV-3-744A	MUV	—	P	P	—	4b	P	—	—	—	—	—	4b.
3-23	MUV-3-744B	MUV	—	P	P	—	4b	P	—	—	—	—	—	4b.
3-25	MUV-3-750	MUV	—	4b, P	✓	—	4b	P	—	—	—	—	—	4b.
3-26	MUV-3-751	MUV	—	4b, P	✓	—	4b	P	—	—	—	—	—	4b.

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REVIEWER [Signature] DATE 11/20/81



FACILITY Turkey Point 3; 50-250
SYSTEM SE + RHR

ATTACHMENT 1
FOR IEB 79-01B
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PAGE 2 OF 4

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
3-29	MIV-3- 843A	MOV	—	—	—	L	✓	—	—	—	—	—	—	1
3-30	MIV-3- 843B	MOV	—	—	—	L	✓	—	—	—	—	—	—	1
3-33	3P215A	Mtr	—	—	—	L	✓	—	—	—	—	—	—	1
3-34	3P215B	Mtr	—	—	—	L	✓	—	—	—	—	—	—	1
3-37	3P214A	Mtr	—	—	—	L	✓	—	—	—	—	—	—	1
3-38	3P214B	Mtr	—	—	—	L	✓	—	—	—	—	—	—	1
3-39	MOV-3- 860A	MOV	—	—	—	P	✓	—	—	—	—	—	—	1
3-40	MOV-3- 860B	MOV	—	—	—	P	✓	—	—	—	—	—	—	1
3-43	MOV-3- 863A	MOV	—	—	—	P	✓	—	—	—	—	—	—	1
3-44	MIV-3- 863B	MOV	—	—	—	P	✓	—	—	—	—	—	—	1
3-47	MOV-3- 866A	MOV	✓	P	P	—	4b	P	—	—	—	—	—	4b
3-48	MOV-3- 866B	MOV	✓	P	P	—	4b	P	—	—	—	—	—	4b
3-51	MIV-3- 862H	MOV	—	—	—	P	✓	—	—	—	—	—	—	1

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REVIEWER P. J. [Signature] DATE 10/20/81



FACILITY Turkey Point 3; 50-250
SYSTEM SI + RHR

ATTACHMENT 1
FOR IEB 79-01B
TER

PAGE 3 OF 4

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
3-52	MOV-3 867B	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-55	MOV 878A	MOV	-	-	-	✓	✓	-	-	-	-	-	-	1
3-56	MOV- 878B	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-57	MOV-3- 88DA	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-58	MOV-3- 880B	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-61	MOV-3- 869	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-63	MOV-3 872	MOV	-	-	-	P	✓	-	-	-	-	-	-	1
3-65	PC-3- 600	C	-	-	-	✓	✓	-	6	-	-	-	-	2.6
3-66	PC-3- 601	C	-	-	-	✓	✓	-	6	-	-	-	-	2.6
3-69	PC- 957A	C	-	-	-	✓	✓	-	6	-	-	-	-	2.6
3-70	PC- 957B	C	-	-	-	✓	✓	-	6	-	-	-	-	2.6
3-71	PC 957C	C	-	-	-	✓	✓	-	6	-	-	-	-	2.6

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 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER Ally DATE 12/2/80



FACILITY Turkey Point 3; 50-250SYSTEM SI/RHRATTACHMENT 1
FOR IEB 79-018
TERPAGE 4 OF 4

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
3-72	PC- 957	D	—	—	—	✓	✓	—	6	—	—	—	—	2,6
3-73	LS-3- 1570	LS	✓	—	—	—	—	—	—	B	yes	yes	L	3
3-74	LS-3- 1571	LS	✓	—	—	—	—	—	—	B	yes	yes	L	3
3-77	3N215A	cont sta	—	—	—	✓	✓	—	—	—	—	—	—	1,2
3-78	3N215B	cont sta	—	—	—	✓	✓	—	—	—	—	—	—	1,2
3-81	3N214A	cont sta.	—	—	—	✓	✓	—	—	—	—	—	—	1,2
3-82	3N214B	cont. sta.	—	—	—	✓	✓	—	—	—	—	—	—	1,2
3-85	3N210A	cont. sta	—	—	—	✓	✓	—	—	—	—	—	—	1,2
3-86	3N210B	cont. sta.	—	—	—	✓	✓	—	—	—	—	—	—	1,2

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REVIEWER G. Ruff DATE 10/24/80



FACILITY Turkey Point 3; 50-250
SYSTEM Component Cooling Water

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
* 4-1	SV-3- 2920	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
4-2	SV-3- 2921	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-3	SV-3- 2922	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
4-7	SV-3- 2923	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
4-8	SV-3- 2924	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
4-9	SV-3- 2925	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-13	SV-3- 2810	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-14	CV-3 2810	Lt Sw	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-15	SV-3- 2812	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-16	CV-3- 2812	Lt Sw	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-17	SV-3- 2814	SV	-	-	-	✓	✓	-	-	-	-	-	-	1,2
* 4-18	CV-3- 2814	Lt Sw	-	-	-	✓	✓	-	-	-	-	-	-	1,2

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* noted during field inspection

REVIEWER ARiff DATE 10-21-80



FACILITY Turkey Point 3; 50-250
SYSTEM Component Cooling Water

ATTACHMENT I
FOR IEB 79-01B
TER

PAGE 2 OF 2

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subs.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
* 4-25	3P211A	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-26	3P211B	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-27	3P211C	Mtr	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-28	3N211A	Cont. Sta.	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-29	3N211B	Cont. Sta.	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-30	3N211C	Cont. Sta.	—	—	—	✓	✓	—	—	—	—	—	—	1
* 4-37	FT-3- 613A	T	—	—	—	✓	✓	—	—	—	—	—	—	1, 2
* 4-39	FT-3- 613B	T	—	—	—	✓	✓	—	—	—	—	—	—	1, 2
* 4-41	PC-3- 611	C	—	—	—	✓	✓	—	—	—	—	—	—	1, 2

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* Sited during field inspection

REVIEWER

CR/11 DATE 10/21/80



FACILITY Turkey Point 3: 50-250
 SYSTEM Main Steam

ATTACHMENT 1
 FOR IEB 79-018
 TER

PAGE 1 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
5-1	PT-3- 474	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-2	PT-3- 475	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-3	PT-3- 476	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-4	PT-3- 484	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-5	PT-3- 485	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-6	PT-3- 486	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-7	PT-3- 494	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-8	PT-3- 495	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-9	PT-3- 496	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-19	PT-3- 464	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-20	PT-3- 466	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2
5-21	PT-3- 468	T	✓	P	-	-	✓	-	-	-	-	-	-	1,2

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- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER CR DATE 10/21/80



FACILITY
SYSTEM

Rocky Point 3: 50-250
Main Steam

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 2 OF 3

CES. Page No.	Equip. I. D.	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
5-25	FT-3- 475	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-26	FT-3- 484	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-27	FT-3- 485	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-28	FT-3- 491	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-29	FT-3- 495	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-30	FT-3- 474	T	✓	P	P	—	4b	P	6	—	—	—	R	2, 4b, 6, 7
5-37	SV-3- 2604	SV	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7
5-38	SV-3- 2605	SV	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7
5-39	Pov-3- 2604	Lim Sw	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7
5-40	SV-3- 2609	SV	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7
5-41	SV-3- 2610	SV	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7
5-42	Pov-3- 2605	Lim Sw	✓	✓	—	—	—	—	—	—	—	—	—	1, 2, 7

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- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

7 = Qualified for use

REVIEWER OLB DATE 10/22/80



FACILITY

Turkey Point 3; 50-250

SYSTEM

Main Steam

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 3 OF 3

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
5-43	SV-3- 2614	SV	✓	✓	—	—	—	—	—	—	—	—	—	1,2,7
5-44	SV-3- 2615	SV	✓	✓	—	—	—	—	—	—	—	—	—	1,2,7
5-45	PAV-3- 2604	Lim Sw	✓	✓	—	—	—	—	—	—	—	—	—	1,2,7
		Believe this should be "6"												

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 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

7 = Qualified for less than 1 hour

REVIEWER 9/2/80 DATE 9/22/80



[illegible]

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REVIEWER W. J. [Signature] DATE 10/22/80



FACILITY

SYSTEM

Key Point 3:50 - 250
RedwaterATTACHMENT
FOR IEB 79-018
TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
7-1	LT-3- 474	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-2	LT-3- 475	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-3	LT-3- 476	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-4	LT-3- 484	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-5	LT-3- 485	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-6	LT-3- 486	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-7	LT-3- 494	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-8	LT-3- 495	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-9	LT-3- 496	T	✓	✓	✓	—	✓	✓	6	—	—	—	—	2, 6
7-19	SV-3- 2900	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
7-20	SV-3- 2902	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
7-21	SV-3- 2904	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7

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3 = Equipment requires modification (resolution, shielding, etc.)

4 = Qualification of equipment unresolved

a) Testing schedule but not complete

b) Reviewer needs additional information

c) Qual. Record search still in process

5 = Equipment not qualified

6 = Item identified to EQB for resolution

7 = Qualified for 125% "at 1" hour

REVIEWER

DATE

10/22/80



Code:

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
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- 6 = Item identified to EQB for resolution
- 7 = Qualified for less than 1 hour.

REVIEWER W. L. DATE 6/22/80



CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
8-1	MOV-3- 1410	MOV	✓	✓	—	—	✓	—	—	—	—	—	—	1
8-2	3N1410	cont. sto.	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-3	MOV-3- 1411	MOV	✓	✓	—	—	✓	—	—	—	—	—	—	1
8-4	3N1411	cont. sto.	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-5	MOV-3- 1412	MOV	✓	✓	—	—	✓	—	—	—	—	—	—	1
8-6	3N1412	cont. sto.	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-13	SV-3- 2914	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-14	SV-3- 2915	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-15	SV-3- 2916	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-16	SV-3- 2917	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-17	SV-3- 2918	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7
8-18	SV-3- 2919	SV	✓	✓	—	—	✓	—	—	—	—	—	—	1, 2, 7

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 - c) Qual. Record search still in process
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- 7 = Qualified for less than 1 hour

REVIEWER CH/11 DATE 10/22/80



CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
9-1	TE-3 3440	TE	✓			—			6	—	—	—	—	6
9-2	TE-3- 3441	TE	✓			—			6	—	—	—	—	6
9-3	TE-3- 3442	TE	✓			—			6	—	—	—	—	6
9-4	TE-3- 3443	TE	✓			—			6	—	—	—	—	6
9-5	TE-3- 3444	TE	✓			—			6	—	—	—	—	6
9-6	TE-3- 3445	TE	✓			—			6	—	—	—	—	6
9-7	TE-3- 3446	TE	✓			—			6	—	—	—	—	6
9-8	TE-3- 3447	TE	✓			—			6	—	—	—	—	6
9-9	TE-3- 3448	TE	✓			—			6	—	—	—	—	6
9-10	TE-3- 3449	TE	✓			—			6	—	—	—	—	6
9-11	TE-3- 3450	TE	✓			—			6	—	—	—	—	6
9-12	TE-3- 3451	TE	✓			—			6	—	—	—	—	6

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REVIEWER ABP DATE 12/22/80



FACILITY

Turkey Point 3:50-250

SYSTEM

Containment VentilationATTACHMENT 1
FOR IEB 79-018
TERPAGE 2 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
9-13	TE-3- 3452	TE	✓			—			6	—	—	—	—	6
9-14	TE-3- 3453	TE	✓			—			6	—	—	—	—	6
9-15	TE-3- 3454	TE	✓			—			6	—	—	—	—	6
9-16	TE-3- 3455	TE	✓			—			6	—	—	—	—	6
9-17	TE-3- 3456	TE	✓			—			6	—	—	—	—	6
9-18	TE-3- 3457	TE	✓			—			6	—	—	—	—	6
9-19	TE-3- 3458	TE	✓			—			6	—	—	—	—	6
9-20	TE-3- 3459	TE	✓			—			6	—	—	—	—	6
9-21	TE-3- 3460	TE	✓			—			6	—	—	—	—	6
9-22	TE-3- 3461	TE	✓			—			6	—	—	—	—	6
9-23	TE-3- 3462	TE	✓			—			6	—	—	—	—	6
9-24	TE-3- 3463	TE	✓			—			6	—	—	—	—	6

Code:

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REVIEWER

C. J. H.

DATE

10/23/80



PAGE

Turkey Point 3; 50-250

SYSTEM

Containment Ventilation

ATTACHMENT 1
FOR IEB 79-01B
TER

PAGE 3 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
9-49	183115	T. Bx	✓			—			—	—	Yes	—	L	3
* 9-51	RD-3-11	RD	—	—	—	✓	✓	—	6	—	—	—	—	1, 2
* 9-52	RD-3-12	RD	—	—	—	✓	✓	—	6	—	—	—	—	1, 2
9-55	3V3A	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
9-56	3V3B	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
9-57	3V3C	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
9-58	FS-3-1422	FS	✓		✓	—	4	✓	6	—	—	—	R	4, 6
9-59	FS-3-1423	FS	✓		✓	—	4	✓	6	—	—	—	R	4, 6
9-60	FS-3-1424	FS	✓		✓	—	4	✓	6	—	—	—	R	4, 6
9-61	FS-3-1425	FS	✓		✓	—	4	✓	6	—	—	—	R	4, 6
9-62	FS-3-1426	FS	✓		✓	—	4	—	6	—	—	—	R	4, 6
9-63	FS-3-1427	FS	✓		✓	—	4	—	6	—	—	—	R	4, 6

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REVIEWER

A. R. J.

DATE

10/23/80



FACILITY Turkey Point 3:50-250
SYSTEM Containment Ventilation

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 4 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
9-73	SV-3- 2905	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-74	SV-3- 2906	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-75	SV-3- 2907	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-76	SV-3- 2908	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-77	SV-3- 2909	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-78	SV-3- 2910	SV	✓	4b	✓	—	✓	✓	—	—	—	—	R	2, 4b
9-85	3V30A	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
9-86	3V30B	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
9-87	3V30C	Mtr	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
* 9-91	PT-3- 1622	T	—	—	—	✓	✓	—	—	—	—	—	—	1
* 9-92	PT-3- 1623	T	—	—	—	✓	✓	—	—	—	—	—	—	1
* 9-95	PS-3- 2007	PS	—	—	—	✓	✓	—	6	—	—	—	—	6

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REVIEWER ARJ DATE 10/23/80



FACILITY Turkey Point 3:50-25-0
SYSTEM Containment Ventilation

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 5 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
* 9-96	PS-3- 2008	PS	—	—	—	✓	✓	—	6	—	—	—	—	6
9-97	PS-3- 2009	PS	—	—	—	✓	✓	—	6	—	—	—	—	6
* 9-101	PS-3- 2056	PS	—	—	—	✓	✓	—	6	—	—	—	—	6
* 9-102	PS-3- 2057	PS	—	—	—	✓	✓	—	6	—	—	—	—	6
9-103	PS-3- 2058	PS	—	—	—	✓	✓	—	6	—	—	—	—	6
9-107	SV-3- 2911	SV	—	—	—	✓	✓	—	—	—	—	—	—	1,2
9-108	SV-3- 2912	SV	—	—	—	✓	✓	—	—	—	—	—	—	1,2
9-109	SV-3- 2913	SV	—	—	—	✓	✓	—	—	—	—	—	—	1,2
9-113	SV-3- 2601	SV	✓	—	—	—	—	—	—	—	yes	—	L	3
9-114	SV-3- 2804	SV	✓	—	—	—	—	—	—	—	yes	—	L	3
9-115	POV-3- 2601	lt. SW	✓	—	—	—	—	—	—	—	yes	—	L	3
9-116	SV-3- 2603	SV	✓	—	—	—	—	—	—	—	yes	—	L	3

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REVIEWER A. R. H. DATE 10/23/80



FACILITY Turkey Point 3:50-250
SYSTEM Containment Ventilation

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 6 OF 6

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subs.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
9-117	SV-3- 2806	SV	✓			—			—	—	yes	—	L	3
9-118	POV-3- 2603	LE.SW	✓			—			—	—	yes	—	L	3
9-125	SV-3- 2819	SV	✓			—			—	—	yes	—	L	3
9-126	CV-3- 2819	LE.SW	✓			—			—	—	yes	—	L	3
* 9-129	SV-3- 3709	SV	—	—	—	✓	✓	—	—	—	—	—	—	1,2
* 9-130	SV-3- 3713	SV	—	—	—	✓	✓	—	—	—	—	—	—	1,2

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REVIEWER CRP DATE 10/23/80

FACILITY Turkey Point 3: 50-250SYSTEM Replacement Solenoid Valves
and Limit SwitchesATTACHMENT 1
FOR IEB 79-01B
TERPAGE 1 OF 1

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
10-1	Various SV	SV	✓	4b	✓	—	4b	✓	—	—	—	—	—	2, 4b
10-2	Various SV	SV	✓	4b	✓	—	4b	✓	—	—	—	—	—	2, 4b
10-3	Various Lt. SW	Lt. SW	✓	✓	✓	—	4b	✓	—	—	—	—	—	2, 4b

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REVIEWER ALHDATE 10/21/80



FACILITY Turkey Point 3:50-250

SYSTEM Miscellaneous - Splice Materials

- Elec tape
- Terminals / Blocks

ATTACHMENT 1
FOR IEB 79-018
TER

PAGE 1 OF 1

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
11-1		Insulating Sleeves	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
11-2		Insulating Sleeves	—	—	—	✓	✓	—	—	—	—	—	—	1
11-3		Insulating Sleeves	—	—	—	✓	✓	—	—	—	—	—	—	1
11-4		T.B	—	—	—	✓	✓	—	—	—	—	—	—	1
11-5		Elec Tape	✓	✓	—	✓	✓	—	—	—	—	—	—	1

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REVIEWER ADJ DATE 10/21/80



FACILITY Turkey Point 3: 50-250
 SYSTEM ELC Penetrations Assembly

ATTACHMENT 1
 FOR IEN 79-018
 TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licenses Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
0100602 12-1	T3P41	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-2	T3P42	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-3	T3P43	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-4	T3P51	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
0100607 12-5	T3P53	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
0100603 12-11	T3P11	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-12	T3P12	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
0100604 12-13	T3P22	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
0100608 12-17	T3C11	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-18	T3C12	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-19	T3C13	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
0100609 12-20	T3C21	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b

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REVIEWER AKH DATE 10/25/80



FACILITY Turkey Point 3:50-250
SYSTEM Elec Pnt. Assemblies

ATTACHMENT I
FOR IEB 79-018
TER

PAGE 2 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
12-21	T3C22	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-22	T3C23	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b.
12-28	T3I11	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-30	T3I14	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-31	T3I15	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-32	T3I21	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-33	T3I22	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-34	T3I23	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-35	T3I24	EPA	✓	P	✓	—	4b	✓	—	—	—	—	—	4b
12-37	T3I12	EPA	✓	P	✓	✓	4b	✓	—	—	—	—	—	4b

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REVIEWER CLB DATE 10/24/80



FACILITY Turkey Point 3: 50-250
 SYSTEM Miscellaneous - Cables

ATTACHMENT 1
 FOR IEB 79-01B
 TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by.	Category of Items
					Inside	Outside					Replace	Relocate		
13-1	Cable Code N47	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-2	N50	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-3	N52	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-4	53	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-5	54	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-6	55	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-7	56	Cable	✓	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-8	60	Cable	✓	✓	✓	—	4b	✓	—	—	—	—	—	4b
13-9	61	Cable	✓	✓	✓	—	4b	✓	—	—	—	—	—	4b
13-10	61	Cable	—	4b	✓	—	4b	✓	—	—	—	—	—	4b
13-11	N77	Cable	✓	✓	✓	—	4b	✓	—	—	—	—	—	1
13-12	N6	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1

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REVIEWER

DATE 10/23/80



FACILITY Turkey Point 3: 50-250
 SYSTEM Miscellaneous - Cables

ATTACHMENT 1
 FOR IEB 79-018
 TER

PAGE 2 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by.	Category of Items
					Inside	Outside					Replace	Relocate		
13-13	Cable Code N7	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-14	N19	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-15	N20	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-16	21	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-17	22	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-18	23	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-19	24	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-20	25	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-21	26	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-22	63	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-23	64	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-24	80	Cable	—	—	—	✓	✓	—	—	—	—	—	—	1
13-25	L1P	Cable	✓	✓	✓	—	4b	✓	—	—	—	—	—	4b

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indicating periodic replacement

3 = Equipment requires modification (resolution, shielding, etc.)

4 = Qualification of equipment unresolved

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b) Reviewer needs additional information

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REVIEWER OK DATE 10/25/00



FACILITY Turkey Point 3: 50-250

SYSTEM Terminal Boxes

ATTACHMENT 1
FOR IEB 79-01B
TER

PAGE 1 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by.	Category of Items
					Inside	Outside					Replace	Relocate		
14-1	TB304X	T.Bx	—	—	—	✓	✓	—	—	—	—	—	—	1
14-2	TBx 3065	T.Bx	—	—	—	✓	✓	—	—	—	—	—	—	1
14-3	TBx 3067	T.Bx	—	—	—	✓	✓	—	—	—	—	—	—	1
14-4	TBx 3122	T.Bx	✓	✓	✓	—	—	—	—	—	—	—	—	1
14-5	TBx 3123	T.Bx	✓	✓	✓	—	—	—	—	—	—	—	—	1
14-6	TBx 3124	T.Bx	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-7	T.Bx 3125	T.Bx	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-8	T.Bx 3126	T.Bx	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-9	T.Bx 3127	T.Bx	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-10	T.Bx 3115	T.Bx	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-11	T.Bx 3134	T.Bx	—	—	—	✓	✓	—	—	—	—	—	—	1
14-12	T.Bx 3135	T.Bx	—	—	—	✓	✓	—	—	—	—	—	—	1

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- or N = Indicates the item is Not Applicable
- UL = Indicates the item is Unresolved, Licensee Identified
- P = Proprietary
- L = Licensee Identified
- R = Reviewer Identified
- 1 = Equipment is qualified
- 2 = Aging is less than life of plant with licensee indicating periodic replacement

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER ARJ DATE 10/24/80



VA Turkey Point 3:50-250
SYSTEM Terminal Boxes

ATTACHMENT 1
FOR IEB 79-01B
TER

PAGE 2 OF 2

CES. Page No.	Equip. I. D. #	Generic Name	Accid. Profile	Qual. Profile	Radiation Qual. Containment		Qual. Method	Chem. Spray	Accur.	Subm.	Licensee Action		Outstanding Items Identified by	Category of Items
					Inside	Outside					Replace	Relocate		
14-13	T. BX 3143	T. BX	✓	✓	✓	—	✓	✓	—	B	—	yes	L	3
14-14	T. BX 3144	T. BX	✓	✓	✓	—	✓	✓	—	B	—	yes	L	3
14-15	T. BX 3145	T. BX	✓	✓	✓	—	✓	✓	—	—	—	—	—	1
14-16	T. BX 3150	T. BX	—	—	—	✓	✓	—	—	—	—	—	—	1
14-17	T. BX 3208	T. BX	—	—	—	✓	✓	—	—	—	—	—	—	1
14-18	T. BX 3213	T. BX	—	—	—	✓	✓	—	—	—	—	—	—	1
14-19	T. BX 3301	T. BX	✓	✓	✓	—	✓	✓	—	2/L	—	—	L	4
14-20	T. BX 3323	T. BX	✓	✓	✓	—	✓	✓	—	2/L	—	—	L	4
14-21	T. BX 3305	T. BX	—	—	—	✓	✓	—	—	—	—	—	—	1
14-22	T. BX 3306	T. BX	—	—	—	✓	✓	—	—	—	—	—	—	1

Code:

- B = Indicates the item is below the flood level
- ✓ or S = Indicates the item is Satisfactory
- or N = Indicates the item is Not Applicable
- UL = Indicates the item is Unresolved, Licensee identified
- P = Proprietary
- L = Licensee identified
- R = Reviewer identified
- 1 = Equipment is qualified
- 2 = Aging is less than life of plant with licensee indicating periodic replacement

- 3 = Equipment requires modification (resolution, shielding, etc.)
- 4 = Qualification of equipment unresolved
 - a) Testing schedule but not complete
 - b) Reviewer needs additional information
 - c) Qual. Record search still in process
- 5 = Equipment not qualified
- 6 = Item identified to EQB for resolution

REVIEWER [Signature] DATE 10/21/80



ATTACHMENT 2
FUNCTIONS/SYSTEMS LIST
(W) PWR
Needed For Mitigation Of Consequences
Of LOCA Or MSLB

1. Reactor Protection
2. Safeguards Actuation
3. Containment Isolation
4. Main and Auxiliary Steam Isolation
5. Main and Auxiliary Feedwater Isolation
6. Feedwater Control
7. Containment Spray
8. Containment Air Purification/Cleanup
9. Containment Ventilation/Cooling
10. Containment Combustible Gas Control
11. High Pressure Injection
12. Low Pressure Injection
13. Accumulators
14. Residual Heat Removal
15. Chemical and Volume Control
16. Pressurizer Spray
17. Power Operated Relief Valves
18. Steam Dump
19. Containment Radiation/Monitoring
20. Containment Radiation/Sampling
21. Component Cooling Water
22. Service Water
23. Emergency Power
24. Containment Sump
25. Control Room Habitability
26. Safety Equipment Area Ventilation
27. Auxiliary Feedwater
28. Reactor Coolant



Attachment 3

Facility: Turkey Point 3

Docket: 50-250

SECTION C 4

LIST OF QUALIFICATION DOCUMENT REFERENCES

(Located in Turkey Point Document Control)

<u>NO.</u>	<u>DESCRIPTION</u>
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
54. GENERAL ELECTRIC LETTER TO BECHTEL DATED MAY 16, 1980
55. ENGINEERING ANALYSIS OF ITT BARTON PRESSURE CONTROLLERS & DIFFERENTIAL PRESSURE SWITCHES
56. CHEMPUMP LETTER TO BECHTEL DATED JUNE 10, 1980
57. FISHER CONTROLS LETTER TO FPL DATED MAY 2, 1980 AND TYPE 546 BULLETIN
58. ENGINEERING ANALYSIS-RADIATION DETECTORS RD-11, RD-12
59. ENGINEERING ANALYSIS OF DAYTON MOTORS
60. ENGINEERING ANALYSIS AND PRODUCT SPECIFICATIONS FOR FOXBORO INSTRUMENTS



Facility: Turkey Point 3Docket 50-250

Attachment 4

OUTSTANDING ITEMS

As Identified By

Licensee

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
Reactor Coolant	T					
1-1	PT-3-403	✓	✓			1
	T					
1-2	PT-3-405		✓			2 (Relocate)
	T					
1-3	PT-3-406		✓			2 (Relocate)
	T					
1-4	PT-3-404		✓			2 (Relocate)
	T					
1-15	LT-3-459	✓				1
	T					
1-16	LT-3-460	✓				1
	T					
1-17	LT-3-461	✓				1
Chem Vol Cont.	SV					
2-1	SV-3-310A	✓				1a
	Lt. SW.					
2-2	CV-3-310A	✓				1a
	SV					
2-3	SV-3-310B	✓	✓			1a, 2
	Lt. SW.					
2-4	CV-3-310B	✓	✓			1a, 2
	SV					
2-9	SV-3-200A	✓				1a
	Lt. SW.					
2-10	CV-3-200A	✓				1a
	SV					
2-11	SV-3-200B	✓				1a
	Lt. SW.					
2-12	CV-3-200B	✓				1a
	SV					
2-13	SV-3-200C	✓				1a
	Lt. SW.					
2-14	CV-3-200C	✓				1a



Facility: Turkey Point 3.

Docket: 50-250

Attachment 4

OUTSTANDING ITEMS

As Identified By

Licensee

C E S Page No.	ITEM (See Code)	DISPOSITION				Disposition Schedule, Notes
		Replace	Modify	Ongoing Analysis	Other	
SI/RHR 3-9	T FT-3-932		✓			2 (relocate)
3-10	T FT-3-933		✓			2 (relocate)
3-73	LS LS-3-1570	✓	✓			1, 2
3-74	LS LS-3-1571	✓	✓			1, 2
Cont Vent. 9-49	Junction Box TB 3115	✓	✓		-	1, 2
9-113	SV SV-3-2601	✓				1
9-114	SV SV-3-2804	✓				1
9-115	LT.SW POV-3-2601	✓				1
9-116	SV SV-3-2603	✓				1
9-117	SV SV-3-2806	✓				1
9-118	LT.SW POV-3-2603	✓				1
9-125	SV SV-3-2819	✓				1
9-126	CV CV-3-2819	✓				1
Terminal Boxes 14-13	T.Bx TB 3143		✓			2 (relocate)
14-14	T.Bx TB 3144		✓			2 (relocate)



Facility: Turkey Point 3

Docket No.: 50-250

NOTES:

1. Item to be replaced at first opportunity.
- 1.a Procurement action has been completed and installation will be done during the refueling outage after the satisfactory qualification test of the conduit seal material.
2. Item could be submerged under water if water level in containment during LOCA reached maximum level. This will be relocated at earliest opportunity.

CODE:

Lt. Sw .. Limit Switch

SV Solenoid Valve

S Switch (LS - Level SW, PS - Pressure SW, FS - Flow SW)

T Transmitter

MOV Motor Operated Valve

Mtr Motor

C Controller

TE Temperature Element

T. Bx ... Terminal or Junction Box

RD Radiation Detector

TB Terminal Blocks

