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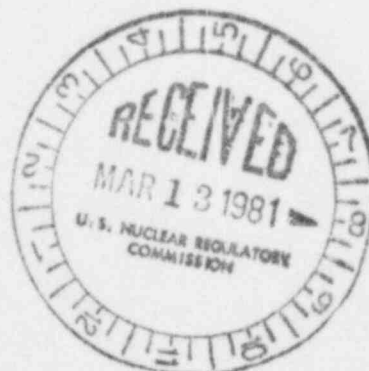
SHIELDS L. DALTROFF
VICE PRESIDENT
ELECTRIC PRODUCTION

January 30, 1981

Re: Docket Nos. 50-277
50-278

IE Bulletin 79-01B S3

Mr. Boyce H. Grier, Director
Office of Inspection & Enforcement
Region I
US Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406



Dear Mr. Grier:

This letter is in response to IE Bulletin 79-01B Supplement 3, which concerns the environmental qualification of Class 1E safety related electrical equipment. As required by the bulletin, we are submitting by February 1, 1981, information to support the environmental qualification of Class 1E equipment installed at Peach Bottom Atomic Power Station as a result of the TMI Action Plan. The qualification information for equipment required to achieve and maintain a Cold Shutdown has been incorporated as part of our previous responses. The enclosed information is comprised of the following:

- (1) Component evaluation work sheets (CEWS)
- (2) Revised reference list
- (3) Revised notes list
- (4) Qualification temperature profiles for two of the new references

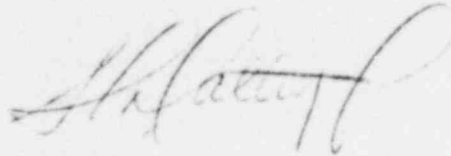
Each CEWS for TMI Action Plan items is identified by "TMI - (MOD #XXX)".

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In addition to the above information, we are enclosing several CEWS which revise the information provided in our October 31, 1980 response.

If you have any questions or require additional information, do not hesitate to contact us.

Very truly yours,

A handwritten signature in dark ink, appearing to be "H. G. Eisenhut", written in a cursive style.

Enclosure

cc: US Nuclear Regulatory Commission
Office of Inspection & Enforcement
Division of Reactor Operations Inspection
Washington, DC 20555

Mr. D. G. Eisenhut, Director
Division of Licensing
US Nuclear Regulatory Commission
Washington, DC 20555

References

1. Res 5-3 (Qualification Drywell Equipment).
2. G.E. Co. Cover Letters G-HE-8-198 and G-HE-9-106.
3. ASCO Letter 8/17/78.
4. Franklin Institute Test Report F-C5022-1.
5. Franklin Institute Test Report F-C5022-2.
6. Franklin Institute Test Report F-C2750.
7. G.E. Co. Cover Letter G-HE-8-153.
8. Vendor Print #6280-E106-113-1.
9. G.E. Co. Cover Letter G-HE-8-54.
10. Vendor Print #6280-E40-124-2.
11.
 - a. Limitorque Test Report 600198
 - b. Limitorque Test Report 600376
 - c. Limitorque Test Report 600376A
 - d. Limitorque Test Report B0003
12. Franklin Institute Test Report for Pyle-National Co. F-C3451.
13. G.E. Co. Cover Letter G-HE-7-154 (FDI-123).
14. Rosemount Test Summary #3768A.
15. Rosemount Report #37327B.
16. Burns Engineering Certified Drawing #10528.
17. Deleted
18. Deleted
19. Deleted
20. Deleted
21. Deleted
22. Deleted
23. Deleted
24. Deleted
25. Deleted
26. FSAR Fig. 14.6.10 and Fig. Q.5.5.6a.
27. FSAR Fig. 14.6.11 and Fig. Q.5.5.6b.
28. Bechtel Power Corporation Study.
29. FSAR Section 14.6.3.3.2.
30. Special Study-Operating Requirements for Safety-Related Equipment
Inside the Drywell Post-LOCA-Letter 1/5/79 T. J. Scull to J. J. Ferencsik.
31. G.E. Co. Environmental Qualification Test Summary-NSE79013.
32. G.E. Co. Environmental Qualification Test Summary-NSE79019.
33. G.E. Co. Environmental Qualification Test Summary-NSE79020.
34. G.E. Co. Environmental Qualification Test Summary-NSE79022.
35. G.E. Co. Environmental Qualification Test Summary-NSE79023.
36. G.E. Co. Environmental Qualification Test Summary-NSE79024.
37. G.E. Co. Environmental Qualification Test Summary-NSE80002.
38. G.E. Co. Environmental Qualification Test Summary-NSE80003.
39. G.E. Co. Environmental Qualification Test Summary-NSE80004.
40. G.E. Co. Environmental Qualification Test Summary-NSE80005.
41. G.E. Co. Environmental Qualification Test Summary-NSE80006.
42. G.E. Co. Environmental Qualification Test Summary-NSE80008.
43. G.E. Co. Environmental Qualification Test Summary-NSE80010.
44. G.E. Co. Environmental Qualification Test Summary-NSE80011.
45. G.E. Co. Environmental Qualification Test Summary-NSE80012.

REFERENCES

-2-

46. Amerace Corp. Test Report QTR-TR-2 Rev. A.
47. G.E. Co. Cover Letter G-HE-9-146 and G-HE-9-128.
48. Qualification of Firewall III Class IE Electric Cable Report July 7, 1977.
49. Rockbestos Company letter from G. S. Buettner to J. J. Ferencsik.
50. Franklin Institute Test Report F-C4033-3.
51. FSAR Table 6.5.1.
52. FSAR Section 14.6.5.1.2.
53. FSAR Figures 6.5.1 through 6.5.23.
54. FSAR Section 5.3.4.
55. Amerace Ltr. to N. J. Wood (5/13/80).
56. Amerace Spec. EGP.
57. GEICO licensing topical report-NEDO-21617-A.
58. GEICO data sheet 22A1378AB.
59. ELMA letter to W. W. Bowers (3/15/77) and Telecon to Mr. Ryland of ELMA (2/25/80).
60. Viking test report #30592 and Telecon to L. Hane of Topaz (6/7/76).
61. Limitorque letter to W. H. VanBuskirk 2/22/80.
62. (BLP 21586 PBAPS Environmental Conditions LOCA temperatures.
(BLP 21606 PBAPS Environmental Conditions HELB temperatures.
63. BLP 21544 PBAPS Environmental Conditions Radiation dose study.
64. Appendix "C" NRC Bulletin 79-OLB.
65. PBAPS MAX LOCA/HELB pressures.
66. ASCO letter to W. H. VanBuskirk 6-6-80.
67. FSAR Table 7.3.1.
68. Rosemount Test Report #12777D
69. ASCO Test Report #AQS-21678/TR, Rev. A.
70. Qualification of NAMCO Controls Limit Switch Model EA-740 Dated 2-22-79.
71. Letter from S. L. Daltroff to B. H. Grier (NRC).
72. HVAC Design Criteria for Reactor Building, 8/21/73.
73. BLP-21679, Equipment TID
74. FSAR Supplement 1, Section 7.1.7
75. QSR 002-A-01, 002-A-02.
76. Rosemount Analysis-DJT,
77. ASCO Analysis (Thermal)-DJT, 10/20/80
78. ASCO Analysis (Humidity)-DJT, 10/20/80
79. GEICO NEDO-10698
80. Physical Sciences Analysis-WJC, 10/20/80
81. GEICO Specification 22A2928 Rev. 1.
82. SLD Analysis-DJT, 10/21/80
83. QSR-080-A-01
84. Target Rock Corporation Analysis-A. Spector, 10/22/80
85. Bechtel Specification 6280-M-242
86. Delphi Catalog 201-A
87. EPRI NP-1558 Project 89C-1 Final Report, 9/80
88. QSR-027
89. QSR-037
90. QSR-029-A-01
91. QSR-032-A-01
92. UL-510
93. 3M Research Report-3410175001-003
94. 3M Report 54C3082
95. QSR-111
96. Agastat Analysis - AS, 10/27/80
97. Dwyer Bulletin E-50

References

98. U.E.&C. Specification 7150-003-252-1.
99. Wylie Laboratories Qualification Plan 45098-1.
100. Reynolds Metal Company Test and Inspection Certificate 3140.
101. QSR-046.
102. ASCO Letter to W. H. VanBuskirk dated 12-30-80.
103. Target Rock Corporation Test Report 2302C.
104. Rosemount Test Report Number 3788.
105. Qualification of Firewall III Coaxial Construction by Rockbestos Company REV 1 dated 3-15-79.
106. Mod 587 by W. W. Bowers dated 6-17-80.
107. Mod 575 by W. W. Bowers dated 4-2-80.

Notes

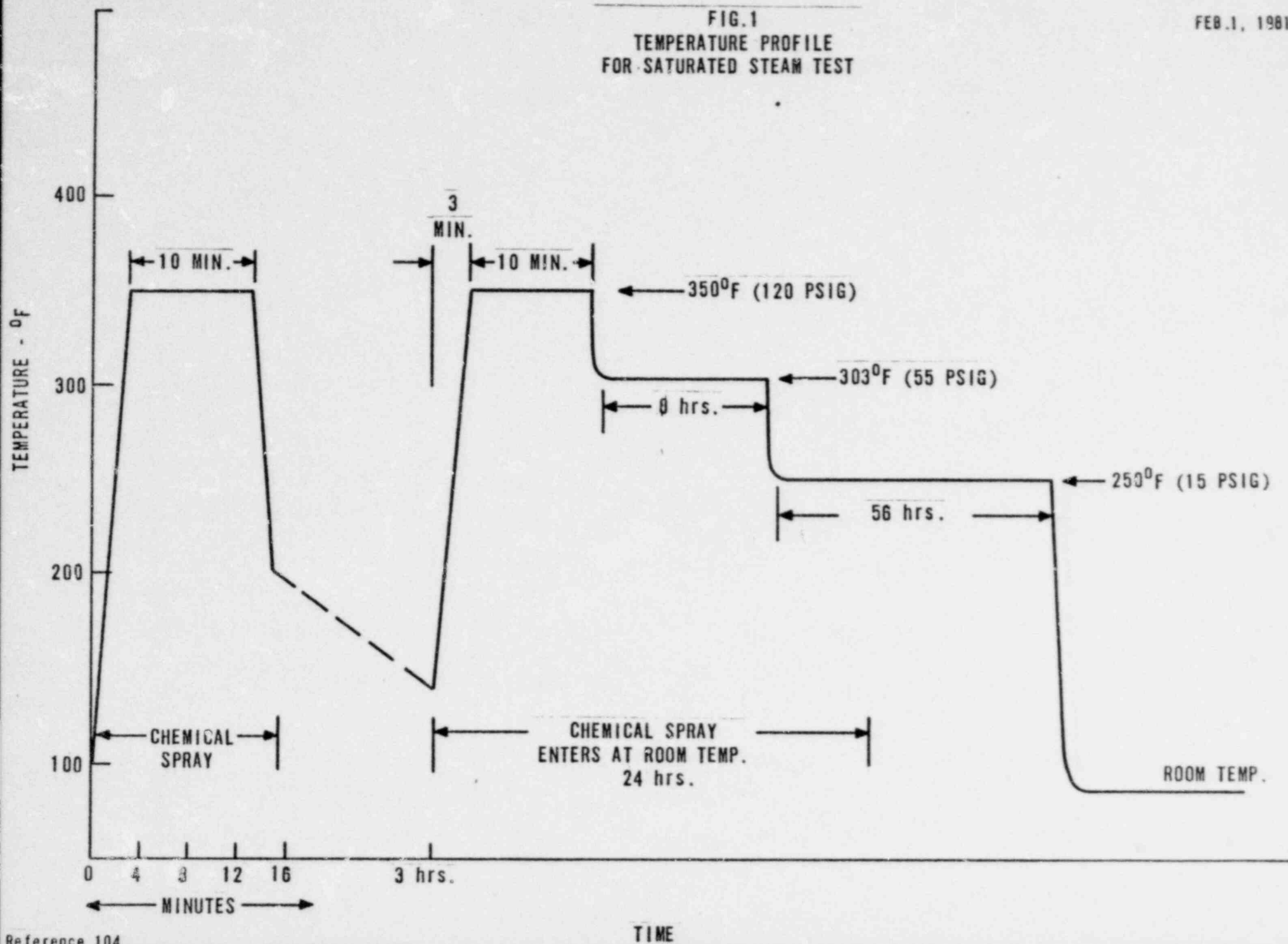
1. Aging was not previously considered, however, an analysis will be performed.
2. An environmental analysis for outside primary containment HELB accidents is being conducted and is scheduled for completion by April 10, 1980.
3. Radiation was not included in original qualification tests, however, an analysis will be performed. Radiation TID at the device will be determined.
4. Pressure was not included in original qualification tests, however, an analysis will be performed.
5. Relative humidity was not included in original qualification tests, however, an analysis will be performed.
6. Operating Time Specification will be identified later.
7. Limitorque is researching qualification of actuator.
8. These limit switches will be replaced with NAMCO EA-740 limit switches.
9. This equipment will be replaced.
10. ASCO will be requested to supply applicable documentation.
11. This equipment will be relocated.
- 12.
13. GECO has been requested to provide documentation or perform an analysis for this equipment.
14. Letter has been sent to Cutler Hammer requesting documentation.
15. Comsip Delphi has been requested to supply documentation (10/4/79).
16. An analysis will be performed.
17. ASCO solenoid valve will be replaced.
18. Limitorque actuator motor will be replaced. The environmental qualification values listed for this actuator do not apply to the drive motor.

NOTES

19. Limitorque actuator will be inspected to verify that components are nuclear In-Containment grade.
20. Limitorque actuator will be inspected to determine if intermittent gear frame is bronze. Zinc or aluminum gear frame assemblies will be replaced with bronze gear frame assemblies.
21. Johnson Controls will be requested to supply applicable documentation.
22. American Air Filter will be requested to supply applicable documentation.
23. Dwyer will be requested to supply applicable documentation.
24. H. K. Porter will be requested to supply applicable documentation.
25. Target Rock Corp. will be requested to supply applicable documentation.
26. See specification documentation reference.
27. Table C-1 of the DOR Guidelines, indicates there is no known radiation degradation below 1.0×10^4 rads.
28. A comparison of the materials used in this device with those listed in Table C-1 of the DOR Guidelines, indicates there is no thermal degradation for the conditions to which this equipment is subjected.
29. The equipment has been relocated to a benign environment area and no additional review will be included under the scope of IE Bulletin 79-01B.
30. A modification will be initiated to eliminate the ESW differential pressure switches (Dwyer 1627-1) and the Agastat time delay relays.
31. The application of the G.E. CR 120 relays will be modified to fail safe operation.
32. This device contains no pressure sensitive components.
33. Reliance Electric has been requested to supply applicable documentation. Purchase order has been issued 10/9/80.
34. Wylie Laboratories will be testing this equipment via qualification plan 45098-1.
35. General Atomic Company will supply the applicable documentation.
36. A letter from S. L. Daltroff of PECO dated 12-22-80 has been sent to D. G. Eisenhut of the NRC requesting that the Rosemount Transmitter qualified to IEEE standard 323-1971 be accepted as a permanent installation for upgrading the containment pressure instrumentation.

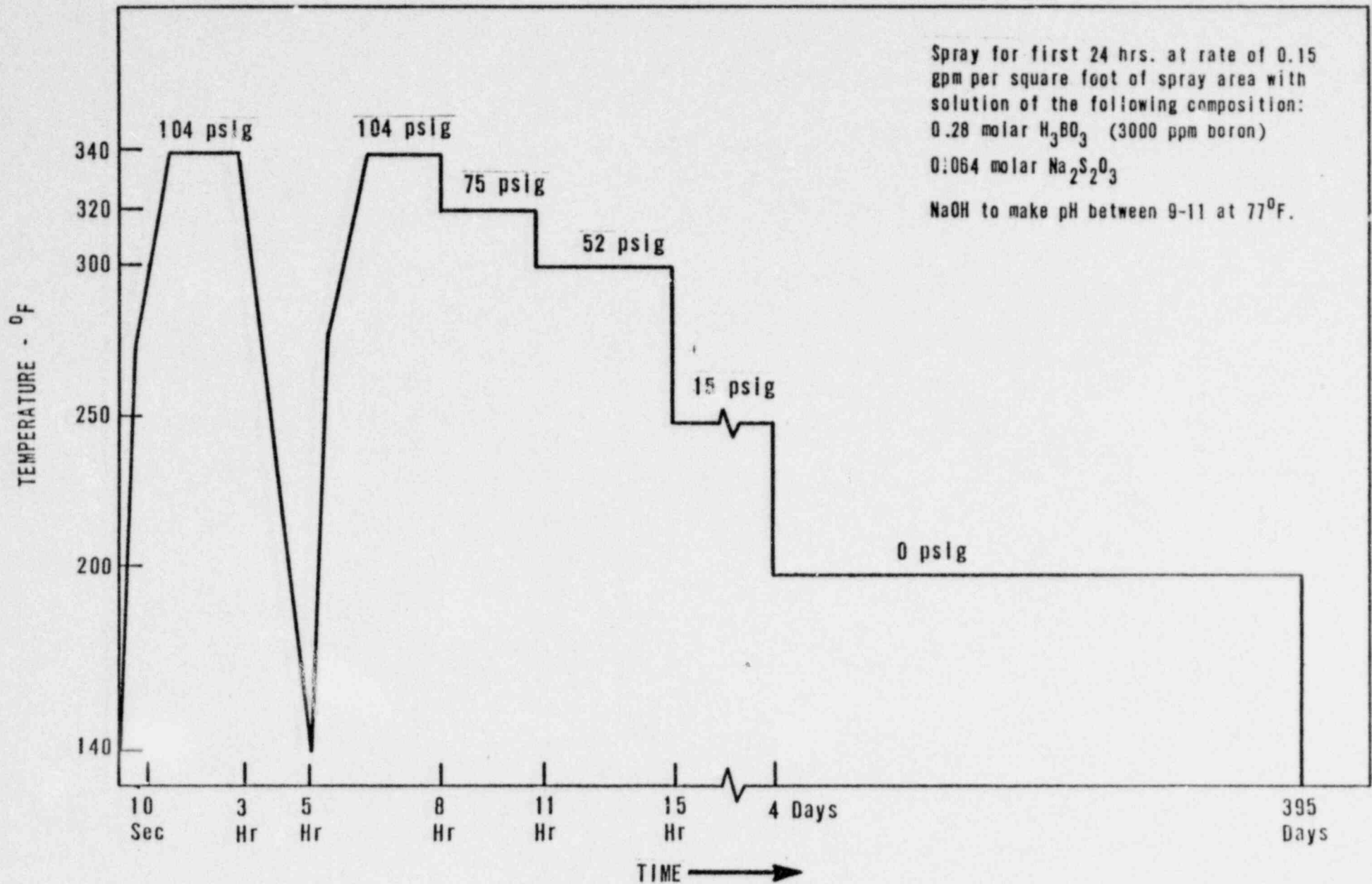
FEB. 1, 1981

FIG. 1
TEMPERATURE PROFILE
FOR SATURATED STEAM TEST



LOCA Profile

FEB. 1, 1981



Peach Bottom Atomic Power Station
Unit # 2
Class 1E Equipment List

System: TMI Modifications

Item No.	Equip. ID No.	Generic Name	Location	
			Inside Pri.Cont.	Outside Pri.Cont. Room #
M575-1	PoAm-2-70A	Acoustic monitor pre-amp	-	205
M575-1	PoAm-2-70B	"	-	205
M575-2	PoAm-2-71A	"	-	205
M575-2	PoAm-2-71B	"	-	205
M575-2	PoAm-2-71C	"	-	205
M575-2	PoAm-2-71D	"	-	205
M575-2	PoAm-2-71E	"	-	205
M575-2	PoAm-2-71F	"	-	205
M575-2	PoAm-2-71G	"	-	205
M575-2	PoAm-2-71H	"	-	205
M575-2	PoAm-2-71J	"	-	205
M575-2	PoAm-2-71K	"	-	205
M575-2	PoAm-2-71L	"	-	205
M575-3	PoT-2-70A	Acoustic monitor sensor	X	-
M575-3	PoT-2-70B	"	X	-
M575-4	PoT-2-71A	"	X	-
M575-4	PoT-2-71B	"	X	-
M575-4	PoT-2-71C	"	X	-
M575-4	PoT-2-71D	"	X	-
M575-4	PoT-2-71E	"	X	-
M575-4	PoT-2-71F	"	X	-
M575-4	PoT-2-71G	"	X	-
M575-4	PoT-2-71H	"	X	-
M575-4	PoT-2-71J	"	X	-

Peach Bottom Atomic Power Station
Unit # 2
Class 1E Equipment List

[illegible]

Peach Bottom Atomic Power Station
 Unit # 3
 Class 1E Equipment List

System: TMI Modifications

Item No.	Equip. ID No.	Generic Name	Location	
			Inside Pri.Cont.	Outside Pri.Cont. Room #
M575-1	PoAm-2-70A	Acoustic monitor pre-amp	-	257
M575-1	PoAm-2-70B	"	-	257
M575-2	PoAm-2-71A	"	-	257
M575-2	PoAm-2-71B	"	-	257
M575-2	PoAm-2-71C	"	-	257
M575-2	PoAm-2-71D	"	-	257
M575-2	PoAm-2-71E	"	-	257
M575-2	PoAm-2-71F	"	-	257
M575-2	PoAm-2-71G	"	-	257
M575-2	PoAm-2-71H	"	-	257
M575-2	PoAm-2-71J	"	-	257
M575-2	PoAm-2-71K	"	-	257
M575-2	PoAm-2-71L	"	-	257
M575-3	PoT-2-70A	Acoustic monitor sensor	X	-
M575-3	PoT-2-70B	"	X	-
M575-4	PoT-2-71A	"	X	-
M575-4	PoT-2-71B	"	X	-
M575-4	PoT-2-71C	"	X	-
M575-4	PoT-2-71D	"	X	-
M575-4	PoT-2-71E	"	X	-
M575-4	PoT-2-71F	"	X	-
M575-4	PoT-2-71G	"	X	-
M575-4	PoT-2-71H	"	X	-
M575-4	PoT-2-71J	"	X	-

Peach Bottom Atomic Power Station
Unit # 3
Class LE Equipment List

[illegible]

FEB 1 1981

Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M575-4

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI MOD 575 Plant ID No. POT-2-71A to H,J,K,L Component: Acoustic Monitor Sensor Manufacture: Columbia Labs Model Number: NDT-781 Function: Provide indica- tion of safety relief valve position Accuracy: Spec: NA Demon: NA Service: Reactor pressure relief valves MS & FW Location: Primary containment Flood Level Elev: NA Above Flood Level: Yes _x No	Operating Time	48 hrs.		98			Note 34
	Temperature (°F)	340		DOR-Guide			Note 34
	Pressure (PSIA)	63.7		26			Note 34
	Relative Humidity (%)	100		63			Note 34
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	4.74E7		63			Note 34
	Aging	None		None			Note 34
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M575-5

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI MOD 575 Plant ID No. Component: Cable Manufacture: Rockbestos Model Number: RSS-6-110 Function: To transmit signal from main steam relief valves to amplifier Accuracy: Spec: NA Demon: NA Service: Reactor pressure relief valves MS&FW Location: Primary containmen Flood Level Elev: NA Above Flood Level: Yes ^x No	Operating Time	48 hrs.		98	105	Test	None
	Temperature (°F)	340	See test	DOR-Guide	105	Test	None
	Pressure (PSIA)	63.7	Profile Ref.105	26	105	Test	None
	Relative Humidity(%)	100	100	63	105	Test	None
	Chemical Spray	Water	NA	NA	NA	NA	NA
	Radiation	4.74E7	2.0E8	63	105	Test	None
	Aging	None	168 hrs. 150°C	None	105	Test	None
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: Peach Bottom - AFS

Unit: 2

Docket: 50-277

Item: M587-1

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI-MOD 587 Plant ID No. PE 8103A, B, C, D Component: Radiation Monitor Manufacture: General Atomic Co. Model Number: RD-23 Function: Indicate primary containment radiation levels Accuracy: Spec: NA Demon: NA Service: Operator information Location: Primary Containment Flood Level Elev: NA Above Flood Level: Yes x No	Operating Time	101 days		None			Note 35
	Temperature (°F)	340		DOR-Guide			Note 35
	Pressure (PSIA)	63.7		63			Note 35
	Relative Humidity (%)	90-100		63			Note 35
	Chemical Spray	Water		29			Note 35
	Radiation	2.0E8		106			Note 35
	Aging	None		None			Note 35
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M584-1

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI-MOD 584 Plant ID No. PT-8102A,B,C,D Component: Pressure Transmitter Manufacture: Rosemount Model Number: 1153-Series A Function: Provide indica- tion of containment pressure Accuracy: Spec: $\pm 0.5\%$ Demon: $\pm 0.5\%$ Service: Operator in- formation Location: Room 403 Flood Level Elev: NA Above Flood Level: Yesx No	Operating Time	101 days	101 days	None	104	Test & Anal.	None
	Temperature (°F)	Note 26	See Figure 1 Ref. 104	62	104	Test & Anal.	None
	Pressure (PSIA)	Note 26		65	104	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	104	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	2.2E5	4.4E7	63	104	Test & Anal.	None
	Aging	None		None			Note 36
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: BPAPS
 Unit: 2
 Docket: 50-277
 Item: M578-2

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI-MOD 578 Plant ID No. SV-8101 Component: Solenoid Valve Manufacture: Target Rock Model Number: 76EE001 Function: Provide initial containment isolation and allow sampling of primary cont. during post accident. Accuracy: Spec: NA Demon: NA Service: CAD Location: Room 205 Flood Level Elev: NA Above Flood Level: Yes x No	Operating Time	101 days	101 days	None	103	Test	None
	Temperature (°F)	Note 26	350°F	62	103	Test	None
	Pressure (PSIA)	Note 26	65PSIG	65	103	Test	None
	Relative Humidity (%)	Note 26	90-95	65	103	Test	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	6.47E4	2.27E7	63	103	Test	None
	Aging	None	20 yrs.	None	103	Test	None
	Submergence	NA	NA	NA	NA	NA	NA

EEB 1 1981

Facility: PBAPS
Unit: 2
Docket: 50-277
Item: M578-1

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI MOD 578 Plant ID No. SV-8100 Component: Solenoid Valve Manufacture: Target Rock Model Number: 76EE007 Function: Provide con- tainment isolation for instrument N ₂ compressor suction line Accuracy: Spec: NA Demon: NA Service: CAD Location: Room 508 Flood Level Elev: NA Above Flood Level: Yesx No	Operating Time	101 days	101 days	None	103	Test	None
	Temperature (°F)	Note 26	350°F	62	103	Test	None
	Pressure (PSIA)	Note 26	65 PSIG	65	103	Test	None
	Relative Humidity(%)	Note 26	90-95	65	103	Test	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	2.22E5	2.27E7	63	103	Test	None
	Aging	None	20 yrs.	None	103	Test	None
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M575-3

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI Mod 575 Plant ID No. POT-2-70A,B Component: Acoustic Monitor Sensor Manufacture: Columbia Labs Model Number: NDT-781 Function: Provide indication of safety relief valve position Accuracy: Spec NA Demon: NA Service: Reactor pressure relief valves MS & FW Location: Primary Containment Flood Level Elev: NA Above Flood Level: Yesx No	Operating Time	48 hrs.		98			Note 34
	Temperature (°F)	340		Dor-Guide			Note 34
	Pressure (PSIA)	63.7		26			Note 34
	Relative Humidity (%)	100		63			Note 34
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	4.74E7		63			Note 34
	Aging	None		None			Note 34
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M575-2

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System; TMI MOD 575 Plant ID No. POAM-2-71A to H, J,K,L Component: Acoustic Monitor Pre-Amp Manufacture: NDT International Model Number: NDT-400A Function: Provide indica- tion of safety relief valve position Accuracy: Spec: NA Demon: NA Service: Reactor pressure relief valves MS & FW Location: Room 205 Flood Level Elev: NA Above Flood Level: Yes ^x No	Operating Time	48 hrs.		98			Note 34
	Temperature (°F)	Note 26		62			Note 34
	Pressure (PSIA)	Note 26		65			Note 34
	Relative Humidity (%)	Note 26		65			Note 34
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	4.78E4		63			Note 34
	Aging	None		None			Note 34
	Submergence	NA	NA	NA	NA	NA	NA

FEB 1 1981

Facility: PBAPS
 Unit: 2
 Docket: 50-277
 Item: M575-1

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI Mod 575 Plant ID No. POAM-2-70A,B Component: Acoustic Monitor Pre-Amp Manufacture: NDT International Model Number: NDT-400A Function: Provide indica- tion of safety relief valve position Accuracy: Spec: NA Demon: NA Service: Reactor pressure relief valves MS & FW Location: Room 205 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	48 hrs.		98			Note 34
	Temperature (°F)	Note 26		62			Note 34
	Pressure (PSIA)	Note 26		65			Note 34
	Relative Humidity(%)	Note 26		65			Note 34
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	4.78E4		63			Note 34
	Aging	None		None			Note 34
	Submergence	NA	NA	NA	NA	NA	NA

Facility: Peach Bottom

Unit: 2

Docket: 50-277

Item: M587-2

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: TMI-MOD 587 Plant ID No. Component: Cable Manufacture: Rockbestos Model Number: RSS-6-104 Function: To transmit signal from radiation monitor to accident monitoring instru- mentation panel. Accuracy: Spec: NA Demon: NA Service: Operator information Location: Primary containment Flood Level Elev: NA Above Flood Level: Yes * No	Operating Time	48 hrs.		98	105	Test	None
	Temperature (°F)	340	See test	Dor-Guide	105	Test	None
	Pressure (PSIA)	63.7	Profile Ref. 105	36	105.	Test	None
	Relative Humidity(%)	90-100	100	63	105	Test	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	4.74E7	20E8	63	105	Test	None
	Aging	None	168 hrs. 150°C	None	105	Test	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 2
 Docket: 50-277
 Item: 238

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO-2505 Component: Air operated valve Pilot Solenoid valve Manufacture: ASCO Model Number: 8300C64U Function: To close valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Location: Room 212 Flood Level Elev: NA Above Flood Level: Yes X No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	233	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.51E4	6.49E4	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO-2509 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: Open valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Drywell exhaust bypass Location: Room 508 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	2.22E5	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO2513,14 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: Open valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC torus exhaust bypass Location: Room 1 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.48E6	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	N A	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: PCIS Plant ID No. AO-4235 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: Closes on isolation signal Accuracy: Spec: NA Demon: NA Service: Instrument N ₂ supply isolation valve Location: Room 508 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	2.22E5	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Radwaste/PCIS Plant ID No. SV-20-82,83,94,95 Component: Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: Close on isolation signal Accuracy: Spec: NA Demon: NA Service: Radwaste containment sump drain Location: Room 1 Flood Level Elev: NA Above Flood Level: Yes X No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.48E6	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: SGTS Plant ID No. SV-20457,58 Component: Solenoid Pilot Valve Manufacture: ASCO Model Number: 831674 Function: Closes valve on exhaust vent high rad, drywell high pressure Accuracy: Spec: NA Demon: NA Service: SGTS area vent supply Location: Room 529 Flood Level Elev: NA Above Flood Level: Yesx No	Operating Time	15 min.	1 hr.	53 54	66	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E1	2.22E5	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-2335A,B Component: Air Operated Valve-Pilot Solenoid Valve Manufacture: ASCO Model Number: THT8300B61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: A-RHR area cooler water supply 2AV25, 2BV25 Location: Room 2 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	101d	101 d	None	66	Test & Anal.	None
	Temperature (°F)	Note 26	129	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	17.0	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	78	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-2335C,D Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: THT8300B61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: C-RHR area cooler water supply (2CV25, 2DV25) Location: Room 3 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	10ld	10ld	None	66	Test & Anal.	None
	Temperature (°F)	Note 26	129	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	17.0	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	78	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-2335E,F Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: THT8300B61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: B-RHR area cooler water supply (2EV25, 2FV25) Location: Room 4 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	10ld	10ld	None	66	Test & Anal.	None
	Temperature (°F)	Note 26	129	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	17.0	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	78	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-2335G,H Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: THT8300B61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: D-RHR area cooler water supply (2GV25, 2HV25) Location: Room 5 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	101d	101d	None	66	Test & Anal.	None
	Temperature (°F)	Note 26	12	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	17.0	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	78	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: HPCI Plant ID No. AO-23-42 Component: Air operated valve pilot solenoid Manufacture: ASCO Model Number: 8321A5 Function: Pilot solenoid must shift position when de-ener- gized. Steam line drain to condensate valve Accuracy: Spec: NA Demon: NA Service: HPCI Location: Room 48 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	15 min.	12 hrs.	53	102	Test & Anal.	None
	Temperature (°F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.81E6	1.28E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3334A,B Component: Air operated valve-pilot solenoid valve Manufacture: ASCO Model Number: T8300C61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: HPCI area cooler water supply (3AV23, 3BV23) Location: Room 48 Flood Level Elev: NA Above Flood Level: Yesx No	Operating Time	15 min.	1 hr.	53	102	Test & Anal.	None
	Temperature ("F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.81E6	1.28E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3335A,B Component: Air Operated Valve-Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300061RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: RHR Room A cooler water supply (3AV25, 3BV25) Location: Room 38 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	101d	180d	None	102	Test & Anal.	None
	Temperature (°F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3335C,D Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: T8300C61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: RHR Room C cooler water supply (3CV25, 3DV25) Location: Room 39 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	101d	180 days	None	102	Test & Anal.	None
	Temperature (°F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO- 3335E,F Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: T8300C61RU Function: pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: RHR Room B cooler water supply (3EV25, 3FV25) Location: Room 40 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	101d	180 days	None	102	Test & Anal.	None
	Temperature (°F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	16.7	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO- 3335G, Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: T8300C61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cocler Accuracy: Spec: NA Demon: NA Service: RHR Room D cooler water supply (3GV25) Location: Room 159 /41 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	101d	101d	None	102	Test & Anal.	None
	Temperature (°F)	Note 26	128	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.35E7	3.35E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3336A,B Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: THT8300C61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: Core Spray-A cooler water supply (3AV24, 3BV24) Location: Room 45 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	15 min.	1 hr.	53	66	Test & Anal.	None
	Temperature (°F)	Note 26	300	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	41	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	5.62E4	4.44E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3336C,D Component: Air operated valve, pilot solenoid valve Manufacture: ASCO Model Number: 8300C61RU-3336C T8300C61RU-3336D Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: Core Spray-C cooler water supply (3EV24, 3FV24) Location: Room 44 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	15 min.	1 hr.	53	66	Test & Anal.	None
	Temperature (°F)	Note 26	300	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	41	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	5.62E4	4.44E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO- 3336E,F Component: Air operated valve, pilot solenoid Manufacture: ASCO Model Number: THT8300C6LRU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: Core Spray-B cooler water supply (3GV24, 3HV24) Location: Room 43 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	15 min.	1 hr.	53	66	Test & Anal.	None
	Temperature (°F)	Note 26	300	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	41	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	5.62E4	4.44E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Emergency Service Water Plant ID No. AO-3336G,H Component: Air operated valve, pilot solenoid Manufacture: ASCO Model Number: THT8300C61RU Function: Pilot solenoid must shift position when de-energized to allow cooling water flow to area cooler Accuracy: Spec: NA Demon: NA Service: Core Spray-D cooler water supply (3GV24, 3HV24) Location: Room 42 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	15 min.	1 hr.	53	66	Test & Anal.	None
	Temperature (°F)	Note 26	300	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	41	65	66	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	5.62E4	4.44E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO- 3505 Component: Air operated valve Pilot Solenoid valve Manufacture: ASCO Model Number: 8300C64F Function: To close valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Location: Room 250 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	233	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.51E4	6.49E4	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	N.	NA	NA	NA

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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO- 3506 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: 8300D9RF Function: Closes valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Location: Room 523 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 3
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 Item: 301A

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO- 3507 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: 8300D9RF Function: Closes valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Location: Room 523 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 3
 Docket: 50-278
 Item: 303

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AC-3509 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: HT-T8300B61R Function: Open valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC Drywell exhaust bypass Location: Room 523 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	2.22E5	63	102	Test & Anal.	None
	Aging	None	15 yrs..	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO- 3510 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: Open valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC drywell exhaust bypass Location: Room 523 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	2.22E5	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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 Unit: 3
 Docket: 50-278
 Item: 315

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: CAC/PCIS Plant ID No. AO-3511 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: 8300C64U Function: Closes valve on isolation signal Accuracy: Spec: NA Demon: NA Service: CAC torus exhaust Location: Room 37 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.48E6	3.3E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 3
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 Item: 240

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: PCIS Plant ID No. AO- 3519 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: 8300D9RF Function: To close valve on isolation signal Accuracy: Spec: NA Demon: NA Service: Contianment N ₂ purge Location: Room 250 Flood Level Elev: NA Above Flood Level: Yes% No	Operating Time	1 min.	1 hr.	51	66	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	66	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.6	65	66	Test & Anal.	None
	Relative Humidity(%)	Note 26	100	65	66	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.51E4	3.35E7	63	66	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	N.	NA	NA	NA	NA

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 Unit: 3
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EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: PCIS Plant ID No. AO-3969A Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300061RU Function: To close on isolation valve Accuracy: Spec: NA Demon: NA Service: Instrument N ₂ isolation Location: Room 250 Flood Level Elev: NA Above Flood Level: YesX No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	233	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.51E4	6.49E4	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 3
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 Item: 239A

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: PCIS Plant ID No. AO-3969B Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: T8300C61RU Function: To close on isolation signal Accuracy: Spec: NA Demon: NA Service: Instrument N ₂ isolation Location: Room 255 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	233	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	3.51E4	6.49E4	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS
 Unit: 3
 Docket: 50-278
 Item: 305

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: PCIS Plant ID No. AO- 5235 Component: Air Operated Valve, Pilot Solenoid Valve Manufacture: ASCO Model Number: 8300061R Function: Closes on isolation signal Accuracy: Spec: NA Demon: NA Service: Instrument N ₂ supply isolation valve Location: Room 523 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	151	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	15.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	8.82E2	2.22E5	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA

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Facility: Peach Bottom APS

Unit: 3

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Item: 317

EQUIPMENT DESCRIPTION	Parameter	ENVIRONMENT		DOCUMENTATION REF		QUALIFICATION METHOD	OUTSTANDING ITEMS
		Specifi- cation	Qualifi- cation	Specifi- cation	Qualifi- cation		
System: Radwaste/PCIS Plant ID No. SV-20-82,83,94,95 Component: Solenoid Valve Manufacture: ASCO Model Number: 8300C61RU Function: Close on isolation signal Accuracy: Spec: NA Demon: NA Service: Radwaste containment sump drain Location: Room 37 Flood Level Elev: NA Above Flood Level: Yes No	Operating Time	1 min.	1 hr.	51	102	Test & Anal.	None
	Temperature (°F)	Note 26	215	62	102	Test & Anal.	None
	Pressure (PSIA)	Note 26	16.7	65	102	Test & Anal.	None
	Relative Humidity (%)	Note 26	100	65	102	Test & Anal.	None
	Chemical Spray	NA	NA	NA	NA	NA	NA
	Radiation	1.48E6	3.3E7	63	102	Test & Anal.	None
	Aging	None	15 yrs.	None	77	Test & Anal.	None
	Submergence	NA	NA	NA	NA	NA	NA