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December 1, 1978

Mr. D. L. Ziemann, Chief
Operating Reactors - Branch 2
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Units 1 & 2
Environmental Qualification of
Safety-Related Electrical Equipment
NRC Docket Nos. 50-10/237

References (a): D. L. Ziemann letter to C. Reed
dated September 6, 1978

(b): M. S. Turbak letter to D. L. Ziemann
dated October 23, 1978

Dear Mr. Ziemann:

Reference (a) requested a confirmation of the accuracy and transmittal of additional information to complete the environmental qualification of safety-related electrical equipment tables for Dresden Units 1 and 2. Reference (b) requested an extension to the original 30 day request to allow sufficient time for a detailed search of records. Enclosed are revised lists with the latest available environmental qualification information.

One (1) signed original and thirty-nine (39) copies of this transmittal are provided for your use.

Very truly yours,

for/ *L. O. DelGeorge*

M. S. Turbak
Nuclear Licensing Administrator
Boiling Water Reactors

enclosure

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Reactor: Dresden I SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment		IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec			
1 Solenoid Valve ASCO X-8210-8314 SV-962 (Core Spray)	1 - 13/E 2 - 3.4 Add 14/1	0		Temp PR (PSIA) RH Chem Rad Sub	Ambi- ent No No			
4 Solenoid Valve ASCO No Part	1 - 9/8 1 - 10/1	1		Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2 No No	Function of these Valves are to be performed by two new seram solenoids ASCO Model # NP8316 A76E	Test Test Test - Test -	Qualification of New valves is by Test to meet or exceed the expected environment. Original referenced valves will be Safety Related After the installation of the new seram solenoids.
6 Solenoid Valve GE	1-12/1,2,3,4 2 - 3.4	1	N/A	Temp PR (PSIA) RH Chem Rad Sub	120 Ambi- ent No No		18 yrs of Operation	These valves are required only if there is a malfunction of the control rod drive system. They are not required for a LOCA.
7b Solenoid Valve Verna VGG-3321	1 - 1/5	1	2	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 No			

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
9a Motor Operated Valve Linitorque	1-5/4, 5, 6, 7, 8 1 - 6/all	I		Temp P _R (PSIA) RH Chem Rad Sub	260 35 100 No 2x10 No		To be replaced with new linitorque SMB type operators bought to IEEE - 382 1972 and IEEE - 344 1971 codes to withstand specification environment.	Test Test Test - Test -	
9b Motor Operated	1-11/7, 4, 5, 6, 7, 8	O	long	Temp P _R (PSIA) RH Chem Rad Sub	Am- bi- ent No No	233°F 41.7 100%		Test Test Test - -	Franklin Institute Report P-04114
10 Motor Operated Valves	1-3/2, 3, 4, 5,	I	2 Min	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 No		To be replaced with new linitorque SMB Type operators bought to IEEE - 382 1972 and IEEE - 344 1971 codes to withstand Specification environment.	Test Test Test - Test -	
11 Motor Operated Valves Linitorque SMA-3-60 2-25 1-25	1-10/2, 3, 4, 5	O	2 min	Temp P _R (PSIA) RH Chem Rad Sub	* Am- bi- ent No No	Ambi- ent or great- er -		18 yrs of oper- ating history	* This is the environment the valves see during LOCA. The HELB environment for these valves: 230°F 18.1 PSIA & 100% Rel. Humidity.

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
11a Add Motor Operated Valve Limitorque SMA-2-25 MO-4		0	2 min	Temp P _R (PSIA) RH Chem Rad Sub	* Am- bi- ent No No	Ambi- ent or great- er - -		13 yrs of opera- ting history	* This is the environmen- the valve sees during LOCA. The HELB enviro- ment for these valves is 230°F 1b.1 PSIA and 100% Rel. Humidity
13a Motor Operated Valve Limitorque SMB - 1(AC)	1 - 1/7,8 1 - 2/1,2	I	2	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	340°F 120 100% - 2x10 ⁸ -		Test Test Test Test	Franklin Institute Report F-C3441 * See Dresden Unit 1 Co- Cooling submittal dated Sept. 1, 1970
13b Motor Operated Valve Limitorque SMB-00-15 SMB-00-10	1 - 10/6 1 - 11/1,2	0	*	Temp P _R (PSIA) RH Chem Rad Sub	Am- bi- ent No No	340°F 120 100% - 2x10 ⁸ -		Test Test Test Test	Franklin Institute Report F-C3441 * See Dresden Unit 1 Co- Cooling submittal dated Sept. 1, 1970
14 Pacific 150-3-WE	1 - 13/5	I	2 min	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	- - - - -			

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
15 Motor Operator Valve Raymond HAR-25-6-4	1-10/7,8	0	2*	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	Ambi-ent or greater - -		* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1973	
16 Motor Pump GE 445TS	1 - 9/1	0	120*	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	- - -		* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1973	
18 Motor Pump GE 5K444XC67A	1 - 9/2	0	long	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No Mo	- - -			
19 Motor Pump GE NPJ115046 Model 5K6533XC54	1 - 9/3	0	120*	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	- - -		* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1970	

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
20 Motor Pump GE SK4296-W212F 1	1 - 9/7	I	Not Required during LOCA	Temp P _R (PSIA) RH Chem Rad Sub	120 Arbi-ent No No	120 Ambi-ent No -		16 yrs of operating history	This pump is part of the poison system. The system is only require if there is a malfunction of the control rod drive system.
21 Motor Pump GE 1B4A129	1 - 9/6	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Arbi-ent No No	equal to or greater than ambient -		12 yrs of operating history	
22 Penetrations Electrical/ Mechanical/	1 - 12/1	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	337°F 75 100% - - -		Test Test Test	Complete Test Report submittal to Mr. E. G. Case December 9, 1977 by M. S. Turbak
23 Junction Box No Man listed/ No Part #	1 - 1/3 2 - 3.4	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	260°F 35 100% - 2x10 ⁷ -	equal to or greater than	Eval Eval Eval Eval	

SYSTEMATIC EVALUATION PROGRAM

Reactor: Dresden 1

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment		IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec			
24 Cable	1 - 1/2	0	* Long	Temp PR (PSIA) RH Chem Rad Sub	Am- bi- ent No No			* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1973 for Rad. Monitors
25 Cable Okonite	1 - 1/2	1	Long	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	260°F 260°F 100% - 2x10 ⁸ 0	Vendor supplied information	February 7, 1975 and March 3, 1975 letters W. H. Karster from J. D. Feas
26 Cable Various Vendors No Part #	1 - 2/1 * 1 - 3/7, 3*	1	Long	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	275°F 45 100% - 3x10 ⁶ -	Test Test Test Test	* See submittal June 26, 1975 letter C. Reed to B. B. Stephenson
26b Cable Various Vendors No Part #	1 - 3/7, 8 1 - 13/7	0	Long	Temp PR (PSIA) RH Chem Rad Sub	Am- bi- ent No No	275°F 45 100% - 3x10 ⁶ -		* See submittal June 25, 1975 letter C. Reed to B. B. Stephenson

Date November 22, 1978

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
28 Transmitter Level Bailey/BR 333X-	1 - 3/7	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	- - -	To be replaced with Foxboro analog transmitter model number N-E13LM-II M2-F1 Items Qualified by Test or eval as applicable		
29 Transmitter, Pressure Bailey/KP1223A K-72	1 - 3/5	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	- - -	To be replaced with Foxboro Analog transmitter Model #N-E11CM-II- E2-F Items qualified by test or eval as applicable		
30 Transmitter, Level Carton/386	1 - 3/1	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	289°F 75 100% - -		Test Test Test	Franklin Institute Research Laboratories Test Report F-02667
31 Transmitter Pressure Wiansko/ P-1625	1 - 8/4	I	Long	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	- - -	To be replaced with Foxboro Analog Transmitter Model # N-E11CM-II E2-F Items qualified by test or eval as applicable		

REACTOR: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment		IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec			
32 Transmitter, Level Yarway/431SEC	1 - 3/6	1	Long	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	To be replaced with Foxboro Analog Transmitter Model # N-2132M-11M2-F1 Items qualified by test or eval as applicable		
33 Transmitter Flow ROP not Corp. Style B Serial # 2477167 247168(See Item 43)	1 - 17/2, 5	0	Long *	Temp PR (PSIA) RH Chem Rad Sub	Am- bi- ent No No			* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1970
34a Switch Furksdale/420	1 - 15/8 1-16/1, 2, 3, 4	0	Short	Temp PR (PSIA) RH Chem Rad Sub	Equal to or greater than ambient No No			18 yrs of operating history
35 Switch Barton 238A	1 - 2/4	1	60	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 75 100% No 2x10 ⁷ No			Vendor evaluation based on tested components ITT Barton letter dated April 30, 1975 to John Awal from D. A. Price

SYSTEMATIC EVALUATION PROGRAM

Reactor: Dresden 1

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment		IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec			
37 Switch Magnetroil/ 1F - 201	1 - 2/5	1	NEC	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No No	275°F 46 100% - -	Test Test Test	Environmental Testing Corporation Report 9306 dated April 26, 1972
39 Switch Magnetroil/312	1 - 14/5	0	Not required for LOCA	Temp PR (PSIA) RH Chem Rad Sub	Am- bi- ent No No	- -		* These switches monitor low condenser vacuum they are inputs to the RPS alarm system. HELE environment is 23.4 PSI and 50% rel. humidity.
40 Switch Mercola/ DA-21-6 DA-21-156	1-15/3,4,5	0	Long	Temp PR (PSIA) RH Chem Rad Sub	Am- bi- ent No No	equal to or greater than ambient	12 yrs of opera- ting history	
41 Switch Static-O-Ring Model 20R2-VT-5-CMA-X0	1 - 2/3	1	120	Temp PR (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	260°F 35 - -	Test Test	March 8, 1973 letter from G. J. Blickey to H. Arlinski

Reactor: Dresden 1 SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
42 Yarway 4318C 4418C 402X	1 - 2/2,3	I	60	Temp P _R (PSIA) RH Chem Rad Sub	260°F 35 100% No 2x10 ⁷ No	- -	To be replaced IIT Barton Model 581-2 and Model 58C-2. Items to be qualified by test.		
43 Switch RDP Instrument Corp. Serial# 200-65-103913 200-65-103916 (See Item 33)	1 - 16/8 1 - 17/1	0	* Long	Temp P _R (PSIA) RH Chem Rad Sub	Am- bi- ent No No	- -		* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1970 Delete Items 1-16/8 & 1- 17/3 which are used only for a control room indication.	
44 Battery Exide/Manhex FMP-19 Cat. #56032	1 - 17/7	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Am- bi- ent No No	great- er than ambi- ent - -	Opera- ting history and eval- uation	Power drop off start to occur at 120°F on the batteries. The batteries are vented therefore pressure is not a proble There have been no humid problems in this area of the building.	
45 Battery Charger Electric Products Comp Type 70-D Serial #83491 83492	1 - 17/8 1 - 18/1	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Am- bi- ent No No	great- er than ambient - -	18 yrs of opera- ting history		

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
46 Control Panels GE Cat. # DRA1 Order #81301 A/C	1 - 19/2	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	Greater than ambi-ent -		18 yrs of operating history Remove Panel C-3 which is for the feedwater 131 Panels AP5, AP3, P1, P3, P4 and P5	
47 125VDC Dist. Panel GE Cat. DRA1 Order #81301 A/C	1-18/2,3,4,5	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	greater than ambi-ent -		18 yrs of operating history	
48 480V Switch-gear GE With AK-1 AGB's	1-19/7,8	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	greater than ambi-ent -		operating history	
49 480V Dist. Panel Ge C/CB Serial # D-792581 D-792434	1 - 17/6 1 - 20/7	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambi-ent No No	greater than ambi-ent -		18 yrs of operating history	

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 279 Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
50 4KV Switchgear GE	1-19/3,4	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambient No No	equal to or greater than ambient -		18 yrs of operating history	
51 Transformer 4160 - 480/277V 750 KVA Class DA Serial # C-503509 503508	1-19/5,6	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambient No No	equal to or greater than ambient -		18 yrs of operating history	
52 480V Power Center GE DA7093	1-20/1,2,3,4	0	Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambient No No	equal to or greater than ambient -		18 yrs of operating history	
53 480V MCC Cutler Hammer CH Order No. 6CF374551	1-20/5,6	0	* Long	Temp P _R (PSIA) RH Chem Rad Sub	Ambient No No				* See Dresden Unit 1 Core Cooling submittal dated Sept. 1, 1970

Reactor: Dresden 1

SYSTEMATIC EVALUATION PROGRAM

Equipment Type	SEP Submittal Reference	LOC	Time Needed	Environment			IEEE - 27, Project Replacement Item	Qual Method	Reference/Comment
				Parameter	Spec	Qual			
55 Ion Chamber GE 5467870-011	1 - 2/6	I		Temp P _R (PSIA)	260°F 35	equal to or greater than 260°F 35		Vendor infor- mation	GE letter to S. Axel from R. F. Trapper dated Jan. 9, 1976
				RH	100%	100%			
				Chem	No	-			
				Rad	2x10 ⁷	2x10 ⁷			
				Sub	No	-			
56 Scint. Detector GE 85613243-01	1 - 2/7	I		Temp P _R (PSIA)	260°F 35				
				RH	100%				
				Chem	No	-			
				Rad	2x10 ⁷				
				Sub	No	-			
57 Cable Tray Expanded Metal	1 - 18/8	I/O	Long	Temp P _R (PSIA)	260 F 35	equal to or greater than at- ambient		18 yrs of opera- ting history	
				RH	100%				
				Chem	No	-			
				Rad	2x10 ⁷				
				Sub	No	-			
58 Motor Control		O		Temp P _R (PSIA)	Am- bi- ent	120°F atmo.	This is the re- placement equipment for item 54.	Test Test Test	Purchase Spec. DROC ES-832 Sheet 2 Para. 3.2
				RH	No	100%			
				Chem	No	-			
				Rad		1.5x10 ⁷	rad	Test	
				Sub	No	-			

Items to be Deleted from the February 27, 1978
Letter from M. S. Turbak to V. Stello

2. Solenoid Valve ASCO/830060 RF
SEP Submittal Reference 1 - 1/6

Device fails only in the safe direction. Loss of power or instrument air causes valve to close.
3. Solenoid Valve ASCO/JV-60-826
SEP Submittal Reference 1 - 12/6,7,8
1 - 13/1,2

These devices are part of the normal control of the CRD's. However, they serve no function in the Scram of the system. Therefore, these valves are not safety-related.
5. Solenoid Valve Barkadale
SEP Submittal Reference 1 - 12/5

This valve is not part of the Scram subsystem.
- 7a. Solenoid Valve Versa/VGG-3321
SEP Submittal Reference 1 - 1/4

Device fails only in the safe direction. Loss of power or instrument air causes valve to close.
8. Motor Operated Valves Chapman 603/SP
SEP Submittal Reference 1 - 13/6,7

These valves are used for maintenance purposes only.
12. Motorized Valve Operator Limitorque SMA-260
SEP Submittal Reference 1 - 13/3,4

These valves are always closed during reactor operation. The only time these valves are open is during fuel transfer.
17. Motor Pump GE 5K184AG201
5K4324A1
SEP Submittal Reference 1 - 9/4,5

These motors were required only to the Unit Shutdown on October 31, 1978. Their safety function will be replaced by the new HPCI system presently being installed. The new HPCI system being operational is a requirement before we can re-start the Unit.
27. Transmitter, Pressure Ashcroft/1251A
SEP Submittal Reference 1 - 15/6,7

These devices are not the primary devices for obtaining flow and level information when the plant is operating. The core spray flows monitoring FT's CS117 and CS122 are the primary method of determining flow.

- 34b. Switch Barksdale 420
SEP Submittal Reference 1 - 16/1,6,7

These switches only provide an alarm function on the sphere pressure. Safety functions are provided by Switches PS₁₁ through 3.

- 36. Switch GE HP-32
SEP Submittal 1 - 14/3,4

This information is not required during an accident.

- 38. Switch, Magnetrol Model 751-X
SEP Submittal Reference 1 - 14/6,7,8
1 - 15/1,2

This information is used during normal operation but is not required for accident conditions.

- 54. Circuit Breaker GE Molded Case
SEP Submittal Reference 1 - 7/all
1 - 8/1

These safety functions served by these breakers are being transferred to the new MCC being installed on the IEEE-279 Project. The MCC's are listed as a new item at the end of the report (Item 58).

JSG/dle
November 29, 1978

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Time Needed	Environment		Qual. Method	Reference	Comment
			Parameter	Spec.			
1 Solenoid Valve ASCO HT #31624	1-29/4 1-32/7	1 1	Temp.	297°F	3200F	(12) (16) (15)	
			Pr. (Psia)	62	37/62		
			RH	100%	100%		
			Chem.	No			
			Rad.	2 X 10 ⁷	2 X 10 ⁵		
			Sub.	No			
2 Solenoid Valve ASCO HT #31624	1-28/3,4	N/A	Temp.	Amb. **	3000F	(15) (16) (15)	
			Pr. (Psia)		62		
			RH		100%		
			Chem.				
			Rad.				
			Sub.				
3 Solenoid Valve ASCO No Part # Not Installed Yet.	1-28/7 1-23/8 1-24/1	Long	Temp.	Amb.			No significant Envi- ronment. Chg. to Column 7 & Ref. 1 should read "5".
			Pr. (Psia)				
			RH				
			Chem.				
			Rad.				
			Sub.				
4 Solenoid Valve Automatic Valve Co 52420	1-12/3,4	Long	Temp.	297°F			*See revised Spt. 12 and Supplemental Sub- mittal dated 7/3/77.
			Pr. (Psia)	62			
			RH	100%			
			Chem.	No			
			Rad.	2 X 10 ⁷			
			Sub.	No			
5 Solenoid Valve Automatic Valve Co 55512	1-36/4	1	Temp.	297°F	340°F	(16) (15)	
			Pr. (Psia)	62	110		
			RH	100%	100%		
			Chem.	No			
			Rad.	2 X 10 ⁷			
			Sub.	No			

**Amb. = Ambient

Reactor: 14 on Unit 2

Systematic Evaluation Program

Equipment Type	Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
				Parameter	Spec.			
6 Solenoid Valve	1-23/8	0	1 day	Temp.	ASL			
1 3/4" Dia. 11' Long	1-24/1			Pr. (Psia)				
40 Parts #				RH				
Not Installed Yet				Chem.				
				Rad.				
				Sub.				
Motor Operated Valve	1-25/1	1	1 day	Temp.	ASL			
11' Long	1-26/1, 2	1	1 day	Pr. (Psia)	62			
2" Dia. 11' Long	1-27/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1 day	RH				
				Chem.				
				Rad.				
				Sub.				
Motor Operated Valve	1-28/1	1	1 day	Temp.	ASL			
11' Long	1-29/1	1	1 day	Pr. (Psia)				
2" Dia. 11' Long	1-30/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1 day	RH				
				Chem.				
				Rad.				
				Sub.				
Motor Operated Valve	1-31/1	1	1 day	Temp.	ASL			
11' Long	1-32/1	1	1 day	Pr. (Psia)				
2" Dia. 11' Long	1-33/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1 day	RH				
				Chem.				
				Rad.				
				Sub.				
Motor Operated Valve	1-34/1	1	1 day	Temp.	ASL			
11' Long	1-35/1	1	1 day	Pr. (Psia)				
2" Dia. 11' Long	1-36/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1 day	RH				
				Chem.				
				Rad.				
				Sub.				
Penetration, Flow	1-37/1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1 day	Temp.	ASL			
Series 90				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				

Equipment Type	Submittal Reference	Loc	Time Needed	Parameter	Envl. Spec.	Qual.	Qual. Method	Reference	Comment
11 Cable Yarns No Part #	1-3176		3000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	200F 7 100% No <1% No	-	-	(1) (6)	None Inside Cont. Column 2 in Ref. 1 Small read "All" Excerpt A
12 Cable Complex Wire & Cable No Part #	1-3176		1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	200F 27 100% No <1% No	-	-	(1) (6)	None Inside Cont. Column 2 in Ref. 1 Small read "All" Excerpt A
13 Cable No Part #	1-3177		1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	200F 27 100% No <1% No	-	-	(1) (6)	None Inside Cont. Column 2 in Ref. 1 Small read "All" Excerpt A
14 Cable No Part #	1-3178		1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	200F 27 100% No <1% No	-	-	(1) (6)	None Inside Cont. Column 2 in Ref. 1 Small read "All" Excerpt A
15 Cable No Part #	1-3179		1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	200F 27 100% No <1% No	-	-	(1) (6)	None Inside Cont. Column 2 in Ref. 1 Small read "All" Excerpt A

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
				Parameter	Spec.			
34 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
37 Cable Bay Assembly, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
42 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
44 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
45 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
46 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
47 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
48 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
49 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	
50 Cable Square Line, Conf. No Part 2	1-22/11	0	100%	Temp. Pr. (Psia) RH Chem. Rad. Sub.	240°F 77 100% No < 100 No	-	None Inside Cont. Column 7 In Ref. 1 should read "All Excess A"	

Reactor: Dresden Unit 2

Systematic Evaluation Program

S.Y.F. Submittal

Time Needed

%C

Reference

Equipment Type

Environment

Parameter

Stag.

Qual. Method

Reference

Qual.

Reference

Comment

21

Transducer, Flow

GE 2000 224

1-7336

3/4

Temp.

Act.

Not required for

calibrated environment.

Column 3 in Ref. 1

3/27/78 read

3/27/78 read

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Date 11/22/78

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
				Parameter	Spec.			
Temp. Element 521-1	1-27/77 1-27/77 1-27/77 1-27/77 1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207 24207 24207 24207 24207	P. Spec	2	No protective material indicated in Column 3 to Ref. 1 should read w/b spec.
Subst. 521-2	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-3	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-4	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-5	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-6	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-7	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-8	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-9	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-10	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-11	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-12	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-13	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-14	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-15	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-16	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-17	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-18	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-19	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.
Subst. 521-20	1-27/77		N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	24207	P. Spec		Not required for analysis of specimen. (24207) in Ref. 1 should read w/b spec.

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Time Needed	Environment		Qual. Method	Reference	Comment
			Parameter	Spec.			
31 Switch GE	1-50, 2	N/A	Temp.	Amb.			
	1-51/1		Pr. (Psia)				
			RH				
			Chem.				
32 Switch Mg Control 152	1-78/2	N/A	Temp.	Amb.	Spec.		
	1-79/1		Pr. (Psia)				
			RH				
			Chem.				
33 Switch Mg Control 241-251	1-77/7	N/A	Temp.	Amb.	Spec.		
	1-78/1		Pr. (Psia)				
			RH				
			Chem.				
34 Switch Mg Control & Miller 241-1	1-57/1, 2	N/A	Temp.	Amb.	Spec.		
			Pr. (Psia)				
			RH				
			Chem.				
35 Switch Mg Control 241-601-624	1-16/2, 3, 4		Temp.	Amb.			
	1-17/1, 2		Pr. (Psia)				
			RH				
			Chem.				

Reactor: Dresden Unit 2

Systematic Evaluation Program

No.	Equipment Type	S.E.P. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
					Parameter	Spec.			
1	Switch	1-27/3, 4	0		Temp.	Act.	Spec.		Not required for test
2	Meroid	1-27/3, 4	0	Long	Pr. (Psia)	Act.	Spec.		Column & In. Ref. should read "1"
3	SW	1-27/3, 4	0		RH				
4	SW	1-27/3, 4	0		Chem.				
5	SW	1-27/3, 4	0		Rad.				
6	SW	1-27/3, 4	0		Sub.				
7	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
8	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
9	SW	1-27/3, 4	0		RH				
10	SW	1-27/3, 4	0		Chem.				
11	SW	1-27/3, 4	0		Rad.				
12	SW	1-27/3, 4	0		Sub.				
13	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
14	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
15	SW	1-27/3, 4	0		RH				
16	SW	1-27/3, 4	0		Chem.				
17	SW	1-27/3, 4	0		Rad.				
18	SW	1-27/3, 4	0		Sub.				
19	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
20	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
21	SW	1-27/3, 4	0		RH				
22	SW	1-27/3, 4	0		Chem.				
23	SW	1-27/3, 4	0		Rad.				
24	SW	1-27/3, 4	0		Sub.				
25	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
26	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
27	SW	1-27/3, 4	0		RH				
28	SW	1-27/3, 4	0		Chem.				
29	SW	1-27/3, 4	0		Rad.				
30	SW	1-27/3, 4	0		Sub.				
31	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
32	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
33	SW	1-27/3, 4	0		RH				
34	SW	1-27/3, 4	0		Chem.				
35	SW	1-27/3, 4	0		Rad.				
36	SW	1-27/3, 4	0		Sub.				
37	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
38	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
39	SW	1-27/3, 4	0		RH				
40	SW	1-27/3, 4	0		Chem.				
41	SW	1-27/3, 4	0		Rad.				
42	SW	1-27/3, 4	0		Sub.				
43	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
44	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
45	SW	1-27/3, 4	0		RH				
46	SW	1-27/3, 4	0		Chem.				
47	SW	1-27/3, 4	0		Rad.				
48	SW	1-27/3, 4	0		Sub.				
49	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
50	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
51	SW	1-27/3, 4	0		RH				
52	SW	1-27/3, 4	0		Chem.				
53	SW	1-27/3, 4	0		Rad.				
54	SW	1-27/3, 4	0		Sub.				
55	SW	1-27/3, 4	0		Temp.	Act.	Spec.		
56	SW	1-27/3, 4	0		Pr. (Psia)	Act.	Spec.		
57	SW	1-27/3, 4	0		RH				
58	SW	1-27/3, 4	0		Chem.				
59	SW	1-27/3, 4	0		Rad.				
60	SW	1-27/3, 4	0		Sub.				

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Time Needed	Environment		Qual. Method	Reference	Comment
			Parameter	Spec.			
4.1 Balancing Verney 44398	1-15/75, 7.	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Arb.			
4.2 Boiler Gould 3PF-13 3PF-23	1-15/73	Long	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Arb. 1-2-73	(15)		
4.3 Battery Charger Gould 3PF-1201 3PF-2101	1-15/73	N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Arb.	(15)		Has replaced the Gould. The should read 15.
4.4 D.C. Generator GE CD/Chromon Reluctance - 51	1-15/73	N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	21-73 15 100% Hb <10% No	(15)		DC Motor Column Ref for DR. Column 51 Ref. should read 15-73
4.5 Diesel Generator Detroit Engine MV30-64E4	1-4/73	Long	Temp. Pr. (Psia) RH Chem. Rad. Sub.	21-73 15 100% Hb <10% Hb	10, 16		Verify start (1 second) duration of advance environment.

Reactor: Dresden Unit 2		Systematic Evaluation Program									
Equipment Type	S.E.F. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment			
				Parameter	Spec.				Qual.		
Indicator Mechanical 4750	1-306, 7	0	47	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Art.			Not required for per. Calum 3 in Ref. should read "1".			
Indicator Mercurial 4750	1-211, 2	0	N/A	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Art. Spec. Spec.			Not required for per. Calum 3 in Ref. should read "1".			
Elect. Relief Valve BE 4750	1-477	0		Temp. Pr. (Psia) RH Chem. Rad. Sub.	Art. Spec. Spec. Spec.						
Control Switch BE 4750	1-742 1-801, 2	0	1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Art. Art.						
Pos-Inv. Switch TR 4815	1-24/366 5, 7	0	1000	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Art. Spec. Spec. Spec.						

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	Submittal Reference	Time Needed	Environment		Qual. Method	Reference	Component
			Parameter	Spec.			
1.1 Controller GE 444-100-1 444-100-2	1-2177 1-2178	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Air.	Spec.		
2.2 Controller GE 444-100-1	1-2177	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Air.	Spec.		
3.3 Signal Converter GE 444-100-1	1-2177	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Air.	Spec.		
4.4 Signal Converter Schaeffler GE-444-100-1	1-2177	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Air.	Spec.		
5.5 Quinn Rad. Extractor GE 444-100-1	1-2177	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	Air.	Spec.		

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.F.P. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
				Parameter	Spec.			
Power Supply	1-7177		Low	Temp.	Amb.			
240 VAC 570	1-7177			Pr. (Psia)				Failure about 11/11/78
				RH				at 100% RH
				Chem.				
				Rad.				
				Sub.				
				Temp.	Amb.			
400 V 3-Phase	1-7177		Low	Pr. (Psia)				
SE	1-7177			RH				
No Part #				Chem.				
				Rad.				
				S.S.				
				Temp.	Amb.			
400 V 3-Phase	1-7177		Low	Pr. (Psia)				
GE				RH				
AKP-5				Chem.				
				Rad.				
				Sub.				
				Temp.	Amb.			
400 V 3-Phase	1-7177		Low	Pr. (Psia)				
GE				RH				
7700				Chem.				
				Rad.				
				Sub.				
				Temp.	Amb.			
240 VAC 1900	1-7177		Low	Pr. (Psia)				
Cutler-Hammer				RH				
Unit # 609643				Chem.				
				Rad.				
				Sub.				

Systematic Evaluation Program

Reactor: Dresden Unit 2

S.E.F.

Equipment Type	Submittal Reference	Time Needed	Environment		Qual. Meth.	Reference	Comment
			Parameter	Spec.			
61 4500 V.C. Panel Cutter-Hammer C-1270	1-3-75	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	21.00 12 12 12 12		(12)	Not required for DEF. Country of origin specified.
62 122 VDC Panel Cutter-Hammer H. Part #	1-3-75	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	12 12 12 12 12		(12)	
63 Relay Valve C-1270	1-3-75	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	12 12 12 12 12		(12)	Not required for DEF. Country of origin specified.
64 Relay Valve C-1270	1-3-75	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	12 12 12 12 12		(12)	
65 Scale Valve Automatic Valve Co. 3951	1-3-75	1	Temp. Pr. (Psia) RH Chem. Rad. Sub.	12 12 12 12 12		(12)	

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Time Needed	Environment		Qual. Method	Reference	Comment
			Parameter	Spec.			
Motor Operated Valve SMB-1-42-000-5	1-741, 1, 2, 3, 4	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	AMB 100 100 - 2 X 10 ⁵ -	100 100 100 -	7 7 7 -	
Motor Operated Valve Limiting SMB-1-42-000-5	1-741, 1, 2, 3, 4	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	AMB 100 100 -	100 100 100 -	7 7 7 -	
Switch Capacitor A-100F	1-741, 1, 2, 3, 4	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	AMB 100 100 -	100 100 100 -	7 7 7 -	
Switch Meroid PAW/3	1-741, 1, 2, 3, 4	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	AMB 100 100 -	100 100 100 -	7 7 7 -	
Switch Meroid PPQEX 2A	1-741, 1, 2, 3, 4	1 hr	Temp. Pr. (Psia) RH Chem. Rad. Sub.	AMB 100 100 -	100 100 100 -	7 7 7 -	

Reactor: Dresden Unit 2

Systematic Evaluation Program

Equipment Type	S.E.P. Submittal Reference	Loc	Time Needed	Environment		Qual. Method	Reference	Comment
				Parameter	Spec.			
49A Control Switch	1-24/6	0	100%	Temp.	Arb.			
				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				
40A Switch	1-24/6	0	Self	Temp.	213°F			
				Pr. (Psia)	15			
				RH	100%			
				Chem.	Arb.			
				Rad.	<1%			
				Sub.	Arb.			
40B Switch	1-24/6	0	Self	Temp.	Arb.			
				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				
				Temp.				
				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				
				Temp.				
				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				
				Temp.				
				Pr. (Psia)				
				RH				
				Chem.				
				Rad.				
				Sub.				