

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
NEW YORK WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

P.O. BOX 270  
HARTFORD, CONNECTICUT 06101  
(203) 666-6911

June 2, 1980

Docket No. 50-245  
A00898

Director of Nuclear Reactor Regulation  
Attn: Mr. Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

- References:
- (1) D. L. Ziemann letter to W. G. Council dated February 15, 1980.
  - (2) D. L. Ziemann letter to W. G. Council dated March 6, 1980.
  - (3) W. G. Council letter to D. L. Ziemann dated March 11, 1980.
  - (4) W. G. Council letter to D. L. Ziemann dated March 12, 1980.
  - (5) W. G. Council letter to D. L. Ziemann dated April 29, 1980.
  - (6) D. L. Ziemann letter to W. G. Council dated March 28, 1980.
  - (7) W. G. Council letter to D. M. Crutchfield dated May 1, 1980.

Gentlemen:

Millstone Nuclear Power Station, Unit No. 1  
Environmental Qualification of Electrical Equipment

In Reference (1), the Staff identified the need to accelerate the environmental qualification review process and forwarded the guidelines for evaluating the environmental qualification of Class 1E electrical equipment and the guidelines for identification of safety-related equipment for which environmental qualification is to be addressed as Enclosures 1 and 2, respectively. In Reference (2), the Staff forwarded the environmental qualification program schedule as Enclosure 1 and the qualification program submittal content as Enclosure 2. Enclosure 2 specified five items which are addressed as follows:

NRC Item (1)

The emergency procedures and list of safety-related systems.

NNECO Response

The above information has been supplied in References (3) and (5). In addition, relevant piping and instrument and equipment location drawings were provided in Reference (4).

NRC Item (2)

The definition of and basis for the hostile service conditions both inside and outside containment.

NNECO Response

The above information request has been the subject of telephone discussions between our Staffs during the past several weeks. The attached material has been formatted to accommodate incorporation of the service condition profiles at such time as they become finalized. For the purposes of this submittal, the information available is summarized on the system component evaluation worksheets. The qualification documentation, which has been reformatted to be consistent with that specified in I&E Bulletin No. 79-01B, reflects only that information which was available from the original SEP environmental qualification effort. Updates/revisions to this material will be the subject of future correspondence as well as being the subject of discussions during the site audit.

NRC Item (3)

The identification and justification of equipment considered qualified by experience.

NNECO Response

To date, the NNECO qualification effort has not determined which safety-related equipment is considered qualified by experience.

NRC Item (4)

The tabulation of safety-related equipment located in a hostile environment, with identification of the service conditions and qualification testing for each in the format used for either SEP Topic III-12 or I&E Bulletin No. 79-01B submittals.

NNECO Response

The lists of safety-related electrical equipment, which have been developed in accordance with the enclosures to Reference (1), are attached. This compilation was derived by listing all electrical equipment within the systems or subsystems that were identified in Reference (5). In accordance with the Reference (1) guidance, annunciation, computer, and sequence of events recording equipment were not included. The attached list is approximately 95 percent complete, and it is currently anticipated that the remaining equipment will be itemized within the next several weeks.

NRC Item (5)

The list of equipment in the tabulation of Item (4) that is not qualified in accordance with the specific requirements of Reference (1), together with the justification for the deviations from the guidelines.



NNECO Response

The current status of the qualification effort is not sufficiently advanced to respond to this request.

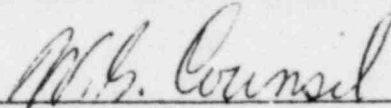
In Reference (6), the Staff supplemented its information requests by forwarding Enclosures 2 and 3 regarding plant-specific calculations for service condition profiles. This latter request was fulfilled in part by Reference (7). The only remaining information requirements were specific responses to Enclosure 3 of Reference (6), which are attached.

Although the attached information does not fully respond to the Staff requests, NNECO notes that extensive resources have been expended to date in attempting to disposition the Staff's concerns on the qualification issue. Personnel from the NSSS supplier have been utilized extensively to assist NNECO and NUSCO personnel in developing the detailed information required. The format and specificity of the attached information is illustrative of NNECO's intention to fully respond in a manner which will preclude the need for subsequent re-reviews. To this end, numerous avenues are being pursued to ensure that limiting and defensible service condition profiles will be utilized for the qualification effort. As stated in previous correspondence, it is not intended to qualify equipment within containment to 340°F for six (6) hours, as these values are unrealistic and excessively conservative. Analytical efforts are in progress at General Electric to substantiate the adequacy of the FSAR service condition profiles in the drywell. Results of these analyses will be the subject of future correspondence.

In accordance with recent telephone discussions, NNECO is not planning for the site audit to be conducted the week of June 23, 1980. It is NNECO's understanding that the Staff now intends to conduct the Millstone Unit No. 1 audit approximately two-to-four months from this date, and our plans are being revised to accommodate this new schedule.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
\_\_\_\_\_  
W. G. Council  
Senior Vice President

Attachment



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

SYSTEM COMPONENT EVALUATION

WORK SHEETS

MILLSTONE UNIT # 1  
SYSTEM EVALUATION WORK SHEET

TABLE OF CONTENTS

<u>SECTION</u>	<u>CATEGORY</u>
I	Solenoid Valves
II	Motor Operated Valves
III	Cable/Penetrations
IV	Splices/Terminations
V	Limit Switches

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SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
<b>System:</b> Main Steam Sys. <b>Plant ID No.:</b> 203-1A 203-1B, 203-1C, 203-1D <b>Component:</b> Solenoid valve  <b>Manufacture:</b> ASCO  <b>Model Number:</b> X8320HT8320A19 <b>Function:</b>  <b>Accuracy:</b>  <b>Service:</b> Main Steam Isolation Valve  <b>Location:</b> Drywell  <b>Flood Level Elev:</b> Above Flood Level: Yes No	Operating Time	0.5 min.		14	1,16,23		
	Temperature (°F)	Profile 1	340°F	13,14	1,16,23	test	
	Pressure (PSIA)	Profile 2	125	13,14	1,16,23	test	
	Relative Humidity(%)	100%	100%	13,14	1,16,23	test	
	Chemical Spray	No	-	-	-		
	Radiation	6.6x10 <sup>6</sup>	1 x 10 <sup>8</sup>	15		Eval.	
	Aging						
	Submergence						

\*Documentation References:

Attachment 1

Notes:

Documentation Ref.  
 One or more Ref. could apply from attachment



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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
<b>System:</b> Main Steam Sys. <b>Plant ID No.:</b> 203-3A, 3B, 3C, 3D, 3E, 3F <b>Component:</b> Sol Valve <b>Manufacture:</b> AVCO <b>Model Number:</b> 300177 <b>Function:</b> <b>Accuracy:</b> <b>Service:</b> Pressure relief <b>Location:</b> Drywell <b>Flood Level Elev:</b> <b>Above Flood Level:</b> Yes No	Operating Time	800 min		20, 24, 25	1,3,16,21,23		
	Temperature (°F)	Profile 1	340°F	20,24,25	1,3,16,21,23	test	
	Pressure (PSIA)	Profile 2	125	20,24,25	1,3,16,21,23	test	
	Relative Humidity(%)	100%	100%	20,24,25	1,3,16,21,23	test	
	Chemical Spray	No	-	-	-	-	
	Radiation	6.6x10 <sup>6</sup>	1 x 10 <sup>8</sup>	20,15		Eval.	
	Aging						
Submergence							

\*Documentation References:

Attachment 1

Notes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Sample System Plant ID No.: 220-44	Operating Time	0.5		26	2,3,16		
Component: Valve	Temperature (°F)	Profile 1	300°F	26	2,3,16	V. data	
Manufacture: Aktomatic	Pressure (PSIA)	Profile 2	45	26	2,3,16	V. data	
Model Number: 15-527	Relative Humidity(%)	100%	100%	26	2,3,16	spec.	
Function:	Chemical Spray	No	-	-	-		
Accuracy:	Radiation	6.6x10 <sup>6</sup>	1 x10 <sup>8</sup>	26,15		Eval.	
Service: Sample Isolation Valve	Aging						
Location: Drywell							
Flood Level Elev: Above Flood Level: Yes No	Submergence						

\*Documentation References:

Attachment 1

Notes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
<b>System:</b> Main Steam Sys. <b>Plant ID No.:</b> 1-MS-5 <b>Component:</b> Valve  <b>Manufacture:</b> Limitorque  <b>Model Number:</b> SMB-000  <b>Function:</b>  <b>Accuracy:</b>  <b>Service:</b> Main Steam Drain Valve  <b>Location:</b> Drywell	Operating Time	35 min		22	4,27,28,29		
	Temperature (°F)	Profile 1	331°F	22	4,27,28,29	similarity	
	Pressure (PSIA)	Profile 2	105	22	4,27,28,29	similarity	
	Relative Humidity(%)	100%	100%	22	4,27,28,29	similarity	
	Chemical Spray	No	-	-	-		
	Radiation	6.6x10 <sup>6</sup>	2 x 10 <sup>8</sup>	15	4,27,28,29	test	
	Aging						
<b>Flood Level Elev:</b> <b>Above Flood Level:</b> Yes No	Submergence						

\*Documentation References:

Attachment 1

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Reactor Clean Up Plant ID No.: 1-SD-1	Operating Time	48 min					
Component: Valve	Temperature (°F)	Profile 1	313°F		4	test	
Manufacture: Teledyne	Pressure (PSIA)	Profile 2	105		4	test	
Model Number: T10-30	Relative Humidity (%)	100%	100%		4	test	
Function: Isolation	Chemical Spray	No	-	-	-	-	
Accuracy:	Radiation	6.6x10 <sup>6</sup>	1 x 10 <sup>7</sup>	15	30	Eval.	
Service: Suction Valve	Aging						
Location: Drywell							
Flood Level Elev: Above Flood Level: Yes No	Submergence						

\*Documentation References:

Attachment 1

Notes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
<b>System:</b> Isolation System <b>Plant ID No.:</b> 1-IC-1, 1-IC-4 <b>Component:</b> Valve  <b>Manufacture:</b> Teledyne  <b>Model Number:</b> T40-150, T10-20 <b>Function:</b> Isolation <b>Accuracy:</b>  <b>Service:</b> Isolate system from loss of coolant.  <b>Location:</b> Drywell	Operating Time	48 min			4		
	Temperature (°F)	Profile 1	313°F		4	test	
	Pressure (PSIA)	Profile 2	105		4	test	
	Relative Humidity(%)	100%	100%		4	test	
	Chemical Spray	No	-	-	-	-	
	Radiation	6.6x10 <sup>6</sup>	1 x10 <sup>7</sup>	15	30	Eval.	
	Aging						
<b>Flood Level Elev:</b> <b>Above Flood Level:</b> Yes No	Submergence						

\*Documentation References:

Attachment 1

Notes:

Documentation Ref.  
 One or more Ref. could apply from attachment



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SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Cable Plant ID No.:	Operating Time	800 min			9		
Component:	Temperature (°F)	Profile 1	325°F		9	test	
Manufacture: Kerite	Pressure (PSIA)	Profile 2	97		9	test	
Model Number: Type FR	Relative Humidity(%)	100%	100%		9	test	
Function:	Chemical Spray	No	-	-	-	-	
Accuracy:	Radiation	1x10 <sup>7</sup>	2.2x10 <sup>8</sup>	15	9	test	
Service: 1000 V power & cntl.	Aging						
Location: Drywell							
Flood Level Elev: Above Flood Level: Yes N	Submergence						

\*Documentation References:

Attachment 1

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Cable Plant ID No.:	Operating Time	800 min			9		
Component:	Temperature (°F)	Profile 1			9	test	
Manufacture: Boston Insulation Wire	Pressure (PSIA)	Profile 2			9	test	
Model Number: Type EPR	Relative Humidity (%)	100%	100%		9	test	
Function:	Chemical Spray	No	-	-	-	-	
Accuracy:	Radiation	1x10 <sup>7</sup>	2 x 10 <sup>8</sup>	15	9	test	
Service: 600V power	Aging						
Location: Drywell							
Flood Level Elev: Above Flood Level: Yes No	Submergence						

\*Documentation References:

Notes:

Attachment 1

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SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
<b>System:</b> Penetrations <b>Plant ID No.:</b> X-100, X-103, X-105 <b>Component:</b>  <b>Manufacture:</b> G.E.  <b>Model Number:</b> NS02, NS03, NS04 <b>Function:</b>  <b>Accuracy:</b>  <b>Service:</b> Provide electrical service to drywell  <b>Location:</b> Drywell  <b>Flood Level Elev:</b> <b>Above Flood Level:</b> Yes No	Operating Time	long			5,6,7,8,12 17,18,19		
	Temperature (°F)	Profile 1	340°F		5,6,7,8,12 17,18,19	test	
	Pressure (PSIA)	Profile 2	78		5,6,7,8,12 17,18,19	test	
	Relative Humidity(%)	100%	100%		5,6,7,8,12 17,18,19	test	
	Chemical Spray	No	-	-	-	-	
	Radiation	9.9x10 <sup>8</sup>	1 x 10 <sup>8</sup>	15	5,6,7,8,12 17,18,19	test	
	Aging						
	Submergence						

\*Documentation References:

Notes:

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF*		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Splices Plan' ID No.:  Component:  Manufacture: Raychem  Model Number: Type WCSF-N Function: connecting cable  Accuracy:  Service:  Location: Drywell  Flood Level Elev: Above Flood Level: Yes No	Operating Time	800			11		
	Temperature (°F)	Profile 1	357°F		11	test	
	Pressure (PSIA)	Profile 2	85		11	test	
	Relative Humidity(%)	100%	100%		11	test	
	Chemical Spray	No	-	-	-	-	
	Radiation	1 x 10 <sup>7</sup>	2 x 10 <sup>8</sup>	15	11	test	
	Aging						
	Submergence						

\*Documentation References:

Attachment 1

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SYSTEM COMPONENT EVALUATION WORK SHEET

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EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION / REF**		QUAL. METHOD	OUTSTANDING ITEMS
	Parameter	Spec.	Qual.	Spec.	Qual.		
System: Plant ID No.:	Operating Time			32	31	test	
Component: Limit Swtiches	Temperature (°F)	Profile 1	340°F	32	31	test	
Manufacture: NAMCO Controls	Pressure (PSIA)	Profile 2	78	32	31	test	
Model Number: EA-740	Relative Humidity(%)	100%	100%	32	31	test	
Function: Limits Control Position	Chemical Spray	No	-	-	-	-	
Accuracy:							
Service:	Radiation	2.6x10 <sup>7</sup>	2 x 10 <sup>8</sup>		31	Eval.	
Location: Drywell	Aging						
Flood Level Elev: Above Flood Level: Yes No	Submergence						

\*Documentation References:

Attachment 1

Notes:

Attachment Ref.  
 One or more Ref. could apply from attachment.



MILLSTONE UNIT NO. 1  
DOCUMENTATION REFERENCES

- (1) GE Test Report PEP-42963.
- (2) August 8, 1978 letter, Atkomatic.
- (3) Preliminary NUSCO Engineering Evaluation.
- (4) Crane Test Report 7828-1, dated October 20, 1969.
- (5) GE Test Report EPAQ-007, dated August 7, 1967.
- (6) GE Test Report EPAQ-008, dated December 29, 1967
- (7) GE Test Report EPAQ-009, dated December 12, 1967.
- (8) GE Test Report EPAQ-010, dated December 12, 1967.
- (9) FIRL Test Report F-C2770.
- (10) FIRL Test Report F-C3859-1.
- (11) FIRL Test Report F-C4033-3.
- (12) GE letter G-EH-8-37 dated March 31, 1978.
- (13) Automatic Switch Company Catalog No. 30 issued September, 1977.
- (14) Section VI Part 2.7.1d FSAR.
- (15) NUSCO Memo NEE-79-E-115, dated February 14, 1979.
- (16) GE Test Report EPAQ-046.
- (17) GE Test Report EPAQ-056, dated May, 1967.
- (18) GE Test Report EPAQ-060, dated April 30, 1971.
- (19) GE Test Report EPAQ-061, dated October 31, 1971.
- (20) Figure VI-2.25 FSAR.
- (21) Figure VI-2.26 FSAR.
- (22) Table 3.7.1 Technical Specifications.
- (23) GE Test Report VPF #2793-543.
- (24) GE Document 21A9206, Rev. 6.
- (25) GE Plant Equipment Design Memorandum 126-62.
- (26) EBASCO Purchase Order NY-481248.
- (27) FIRL Test Report F-C3271.
- (28) FIRL Test Report F-C3441.
- (29) FIRL Test Report F-C2232-01.
- (30) Crane Letter of February 1, 1978.
- (31) NAMCO Controls - Test Report.
- (32) Section 4.1.1 of GE Nuclear Energy Division Document 21A9206 (Rev. 6) dated January 21, 1974.

ATTACHMENT 2  
MILLSTONE UNIT 1  
ENVIRONMENTAL PROFILES

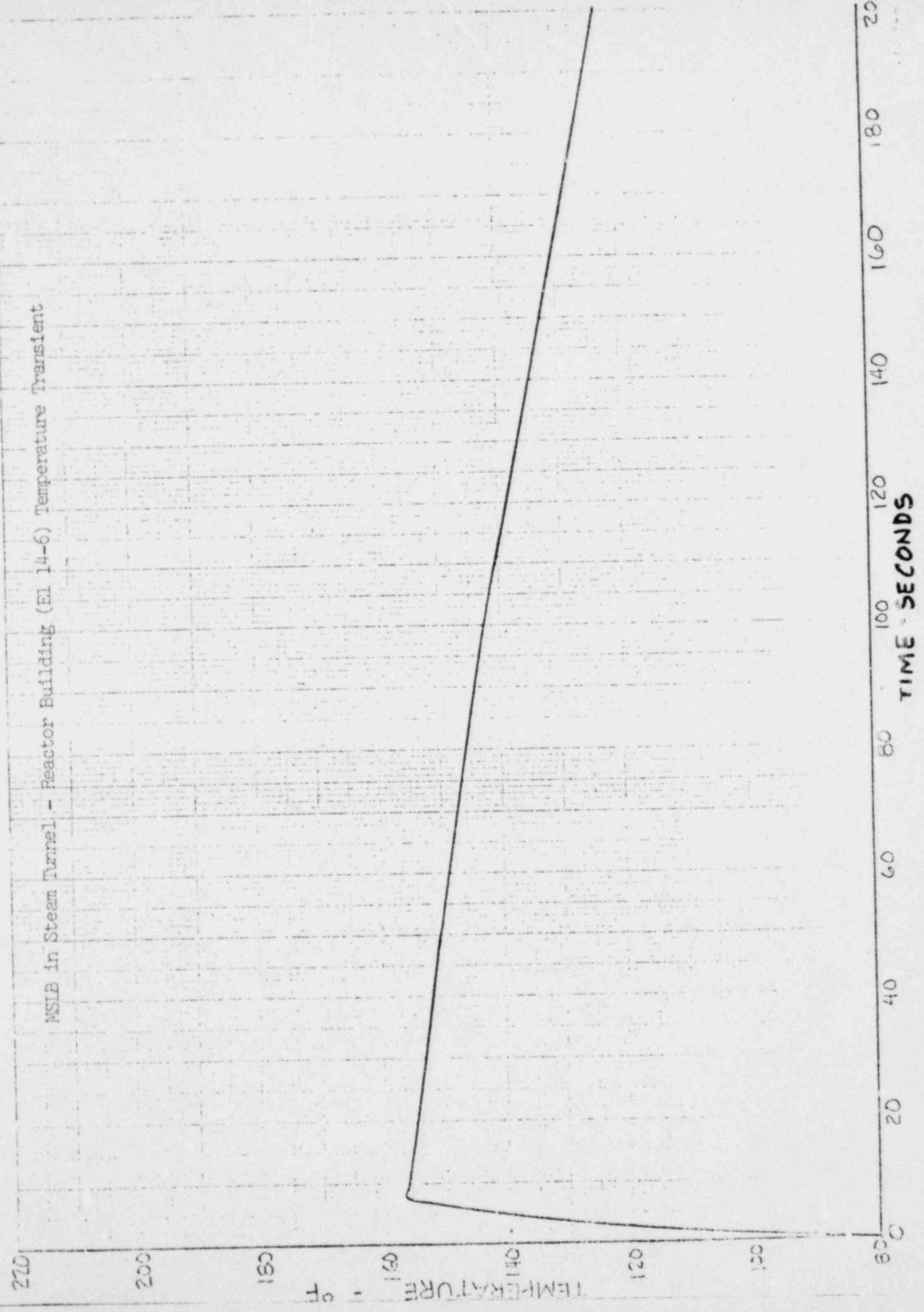
<u>Profile Number</u>		<u>Description</u>
1	Temp. -	Drywell
2	Pressure -	Drywell
3	Temp. -	Rx. Bldg. 14-6
4	Pressure -	Rx. Bldg. 14-6
5	Temp. -	Rx. Bldg. 42-6
6	Pressure -	Rx. Bldg. 42-6
7	Temp. -	Rx. Bldg. 65-9
8	Pressure -	Rx. Bldg. 65-9
9	Temp. -	Cond. Bay
10	Pressure -	Cond. Bay
11	Temp. -	Swgr. Rm.
12	Pressure -	Swgr. Rm.
13	Temp. -	Diesel Rm.
14	Pressure -	Diesel Rm.
15	Temp. -	Gas Turbine Bldg.
16	Pressure -	Gas Turbine Bldg.
17	Temp. -	Control Room
18	Pressure -	Control Room
19	Temp. -	Intake Structure
20	Pressure -	Intake Structure
21	Temp. -	Battery Rm.
22	Pressure -	Battery Rm.

KD00

46 1000

PROFILE No. 3

MSLB in Steam Tunnel - Reactor Building (E1 14-6) Temperature Transient

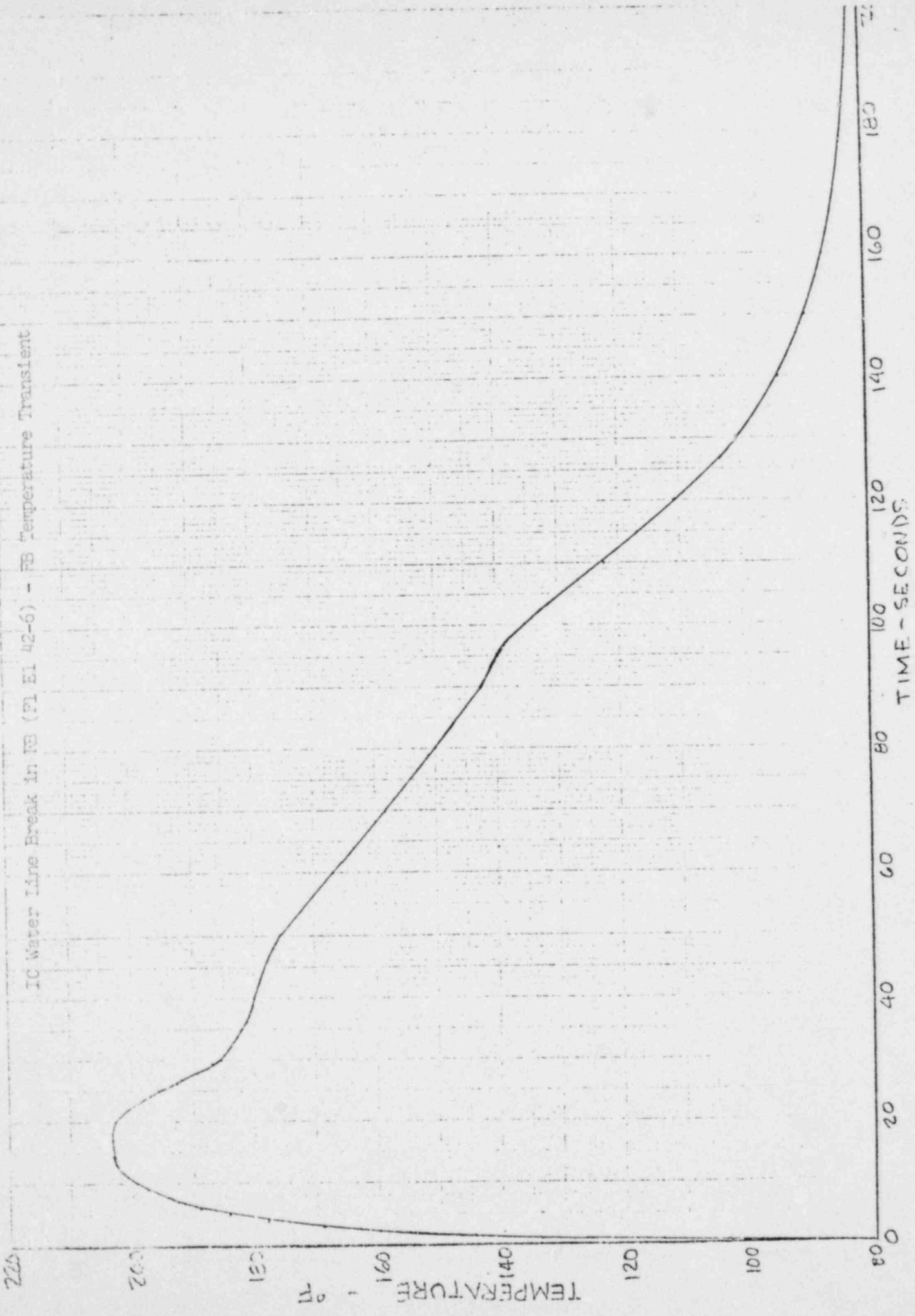




2016

PROFILE No. 5

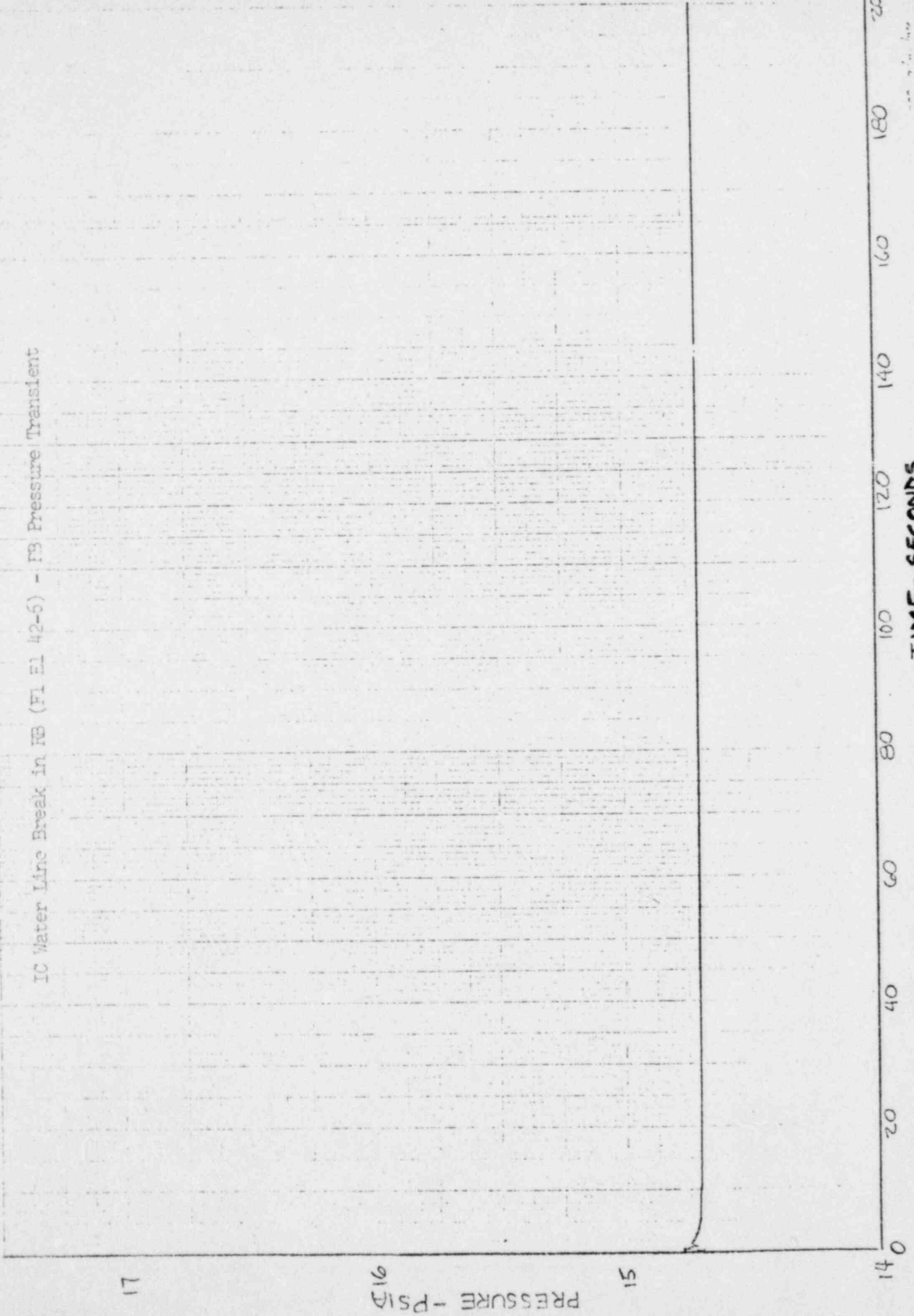
IC Water Line Break in FB (Fl E1 42-6) - FB Temperature Transient



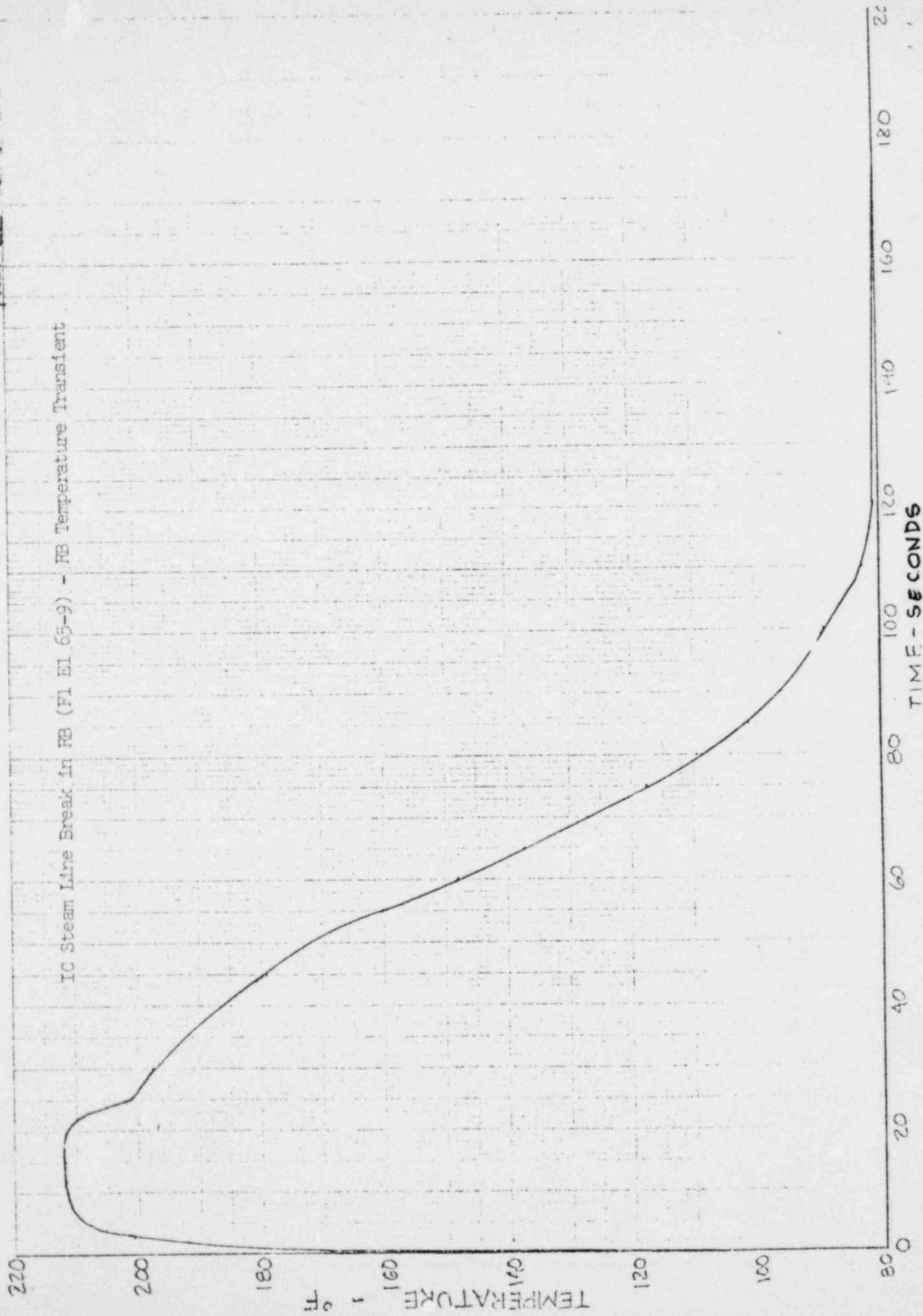


PROFILE No. 6

IC Water Line Break in NB (Fl El 42-5) - FB Pressure Transient



PROFILE No. 7



40 1073

PROFILE No. 8

IC Steam Line Break in MB (Fl El 65-9) - 7B Pressure Transient

17

91  
PRESSURE - PSIA

51

11

20

40

60

80

100

120

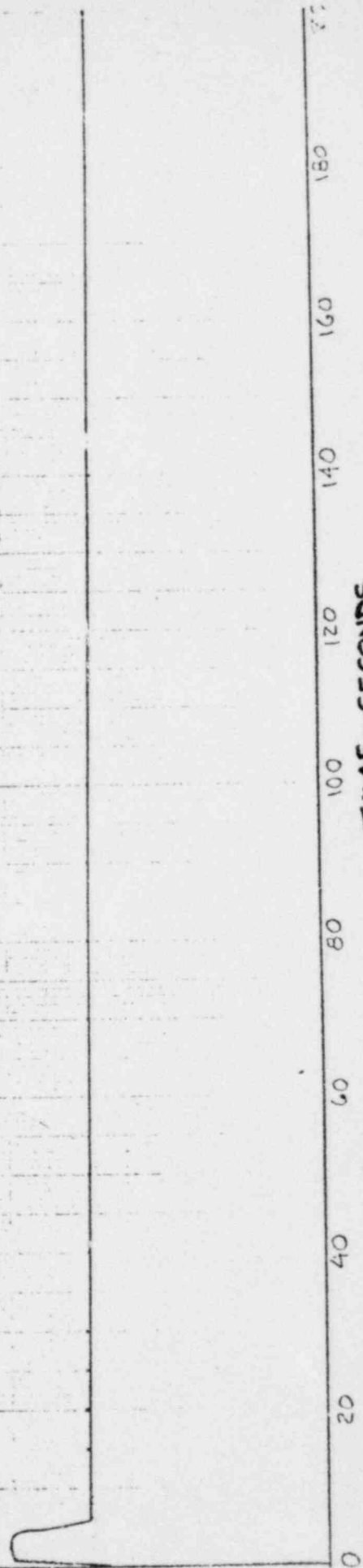
140

160

180

200

TIME - SECONDS



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

CORE SPRAY

SYSTEM: CORE SPRAY "A"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 740

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
CRP-903	Panel		X	T21	
C1740AH	Cable		X	T-21-T-AE	K2-5
4KV SWGR #6	Switch Gear		X	T19B	
C-1740C	Cable		X	T-19B-T-21	K2-2
C-RP 926	Panel		X	T21	
C-1740E	Cable		X	T-21	K2-2
CRP-933	Panel		X	T21	
C-1740AB	Cable		X	T-21-R-19	K2-2
2205	Rack		X	R19	
C-17400F	Cable		X	T-21	K2-2
263-72A	LIS		X	R-19	
C-1740G	Cable		X	R-19-T-21	K2-2
263-72C	LIS		X	R-19	
C-1740H	Cable		X	R-19-T-21	K2-2
263-52A	PS		X	R-19	
C-1740AF	Cable		X	T-21	K2-4
C-1740-L	Cable		X	T-21	K2-6
C-1740AE	Cable		X	R-7 T-21	K10-1
1462C	PS		X	R-7	
C1740AC	Cable		X	T-21	K2-3

SYSTEM: CORE SPRAY "A"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 740

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1462A	PS		X	R-7		
2201B	Rack		X	R-9		
DC-11A-2	Distr. SWBD		X	T-19R		
C-1740AD	Cable		X	R-2A-T-21	K10-1	
263-52C	PS		X	R-19		
C1740V	Cable		X	R-2A-T-21	K2-2	
263-54A	P.S.		X	R-2A	R2D-B	
CRP932	Panel		X	T-21		
C11548L	Cable		X	T-21	K2-2	
C-1740X	Cable		X	T-21 TG	K2-41	
Gasturb. Gen. 2R	Contr. PNL		X	TG		
CRP922A	Panel		X	T-21		
C-1740D	Cable		X	T-21	K2-2	
Diesel Gen.	Contr. Cub		X	T-7		
C-1740T	Cable		X	T-7-T-21	K2-2	
C-1740AC	Cable			T-21	K10-1	



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: CORE SPRAY "A" PUMP

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 741-42-43

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP932	Panel		X	T-21		
C1741C	Cable		X	T-21	K2-43	
CRP903	Panel		X	T-21		
C1741A	Cable		X	T-19A-T-21	K2-46	
4160V SWGR #6	CUB5		X	T-19A		
C1741	Cable		X	R-7	K1-4	
1401A	Pump(Motor)		X	T-19A-R-7		
V10-4A	Sol. Valve		X	R-7		
Box 55	Box		X	R-7		
C1742C	Cable		X	T-21	K2-4	
C1742A	Cable		X	T-21-T-19A	K2-6	
C1742B	Cable		X	R-1	K2-5	
1-CS-2A	Valve(M.O.)		X	R-1		
C-1742	Cable		X	T-19B-	K1-27	
C1743C	Cable		X	T-21	K2-4	
C1743A	Cable		X	T-19B-T-21	K2-5	
480VMCC 2A-3 Comp. 7B	MCC		X	T-19B		
C1743B	Cable		X	T-19B	K2-5	
1-CS-21A	Valve(M.O.)		X	R-17		
C1743	Cable		X	T-19B	K1-27	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: CORE SPRAY "A"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 744-45

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1744A	Cable		X	T-21	K2-41
IAC-1	Instr. SWB'D.		X	T-21	
C1744B	Cable		X	T-21	
CRP 950	Panel		X	T-21	
C1744H	Cable		X	T-21	K10-1
C1744C	Cable	X		R1	K2-7, K2-103
1402-9A	Check Valve	X		R1	
C1744D	Cable		X	-21-	K2-22, K2-101
1402-6A	Valve		X	R1	
C1744G	Cable		X	T-19B-T-21	K2-2
C1744E	Cable		X	R-7-T-21	K2-2
1402-42A	Press SW.		X	R-1	
C1744F	Cable		X	R-2A-T-21	K2-22
1459A	dPIS	X		R-1	
1459B	dPIS	X		R-1	
2251A	Rack		X	R-2A	
2A-3 Comp 6C	480V MCC		X	T-19B	
C1745	Cable		X	T-19B	K1-27
1-CS-4A	M.O. Valve		X	R-17	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: CORE SPRAY "A"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 744-45

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-CS-5A	LS		X	R-17	
C1745D	Cable		X	T-19B-R-17	No Info.
C1745B	Cable		X	R-17-T-19-B	K2-5
C1745A	Cable		X	T-19B-T-21	K2-6
C1745C	Cable		X	T-21	K2-4

SYSTEM: CORE SPRAY "A"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 746-49

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1746	Cable		X	T-19B	K1-27	
C1746A	Cable		X	T-19B-T-21	K2-6	
C1746B	Cable		X	T-19B-R-17	K2-5	
C1746C	Cable		X	T-21	K2-4	
C1746D	Cable		X	R-17-T-19B	K2-2	
1-CS-4A	Valve L SW		X	R-17		
1-CS-5A	Valve L SW		X	R-17		
C1746F	Cable		X	T-21	K10-1	
C1749A	Cable		X	T-21	K10-1	
C1749B	Cable		X	T-21	K10-1	
CRP 919	Panel		X	T-21		
C1749E	Cable		X	T-21-R-7	K10-1	
C1749F	Cable		X	T-21-R-7	K10-1	
2201A	Rack		X	R-7		
1461A	F.XMTR		X	R-7		
1460A	P.XMTR		X	R-7		

SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh.751

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP-903	Panel		X	T21		
C1751AA	Cable		X	T-21	K2-4 903 to 933	
4KV Swgr. #5	Switch Gear		X	T-19A		
C1751C	Cable		X	T-19A-T-21	K2-2(4KV Swgr. #5 to Cub #2)	
CRP 932	Panel		X	T-21		
C1751AB	Cable		X	T-21	K2-2 (932 to 933)	
CRP 933	Panel		X	T21		
C1751AD	Cable		X	R9	K10-1(Local P.S. 1462D to 933)	
1462 D	P.S.		X	R9		
2206	Rack		X	R19		
C1751F	Cable		X	R19	K2-2(Rack 2206 to 933)	
263-72B	LIS		X	R19		
C1751 G	Cable		X	R19	K2-2(Rack 2206 to 933)	
263-72 D	LIS		X	R19		
C1751 H	Cable		X	R19	K2-2(Rack 2206 to 933)	
263-52B	P.S.		X	R19		
C1751 L	Cable		X	T21	K2-6 (932-933)	
2201 B	Rack		X	R9		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001Sh.751

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
1462 B	P.S.		X	R9	
C1751E	Cable		X	R9	K2-2(Rack 2201B to 933)
DC-11A-1	Distr. SWBR		X	T19-E	
C1751 A	Cable		X	T-7-T-21	K1-30(933 to DC-11A-1)
Diesel Gen.	Contr. Cub.		X	T-7	
C1751 T	Cable		X	T-7-T-31	K2-2(Gen. Contr. Cub to 933)



SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh.752, 753, 754, 755.

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1752 C	Cable		X	R-9 to T-19A	K2-4
C1752 A	Cable		X	T-19A-T-21	K2-46
4160V SWGR #5	Cub 5		X	T-19A	
C1752	Cable		X	T-19A-R-9	K1-5
1401 B	Pump (Motor)		X	R-9	
2-3 Cub #4	480 MCC			T-19A	
C1752 L	Cable		X	T-19A-R7	K2-2
V10-4B	Sol. Valve		X	R-7	
Box 56	Box		X	R-7	
CRP 950	Panel		X	T-21	
C1753 C	Cable		X	T-21	K2-4
C1753 A	Cable		X	T-19A-T-21	K2-6
C1753 B	Cable		X	T-19A-R-9	K2-5
1-CS-2 B	Valve (MO)		X	R-9	1402-3B
C1753	Cable		X	R-9-T-19A	K1-27
C1754C	Cable		X	T-21	K2-4
C1754A	Cable		X	T-19-T-21	K2-5
E3(203) Compt 5B	480V MCC		X	T-19A	
C1754B	Cable		X	T-19A-R-2A	K2-5

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 752, 753, 754, 755.

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-CS-21B	Valve (MO)		X	R-2A	
C 1754	Cable		X	R-2A T-19A	K1-27
C 1755 A	Cable		X	T-21	K2-41
IAC-1	Instr. Sub'd.		X	T-21	
C1755 B	Cable		X	T-21	K2-5
1-CS-2B	L.S.		X	R9	

SYSTEM: CORE SPRAY "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 751

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
2252	Rack		X	R-19	
263-54 B	P.S.		X	R-19	
C1751V	Cable		X	T-21-R-19	K2-2
C11548K	Cable		X	T-21-R-19	K2-2
Gas Turb. Gen. 2R	Contr. Pnl.		X	TG	
C1751X	Cable		X	TG-T-21	K2-41
C1751D	Cable		X	T-21-T-7	K2-22
C1740E	Cable		X	T-21	K2-2
263-52 D	P.S.		X	R19	
C1751 AC	Cable		X	T-21-R19	K10-1
CRP922B	Panel		X	T-21	
C1751 B	Cable		X	T-21	K2-2

SYSTEM: CORE SPRAY SYSTEM

EQUIPMENT:

25202 - Reference Drawings: 25202-31001 Sh. 749, 755, 756, 757.

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1755 H	Cable		X	T-21	K10-1	
C1755C	Cable	X		R1	K2-22	
1402-9B	Check Valve	X		R1 to T-21		
C1755 D	Cable		X	R1 to T-21	K2-22	
1402-6B	Valve		X	R-19		
C1755 G	Cable		X	T-19A to T-21	K2-2	
C1755 E	Cable		X	R1 to T-21	K2-2	
1402-42B	Press. Sw.		X	R-1		
E3 (2-3) Compt. 4E	480V MCC		X	T-19A		
C1756 B	Cable		X	R-19 to T-19A	K2-5	
1-CS-5B	L. Sw.		X	R-19		
C1756 D	Cable		X	to R-19	K2-2	
1-CS-4B	Valve (M.O.)		X	R-19		
C1756B	Cable		X	R-19-T-19A	K2-5	
C1756A	Cable		X	T-21-T19A	K2-6	
C1756C	Cable		X	T-21	K2-4	
C1757	Cable		X	R-19-T-19A	K1-27	
C1757A	Cable		X	T-19A-T-21	K2-6	
C1757B	Cable		X	T-19A-R19	K2-5	

SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 749, 755, 756, 757.

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1757C	Cable		X	T-21	K2-4
C1757D	Cable		X	T-19A-R19	K2-2
1-CS-4B	Valve L. Sw.		X	R-19	
1-CS-5B	Valve L. Sw.		X	R-19	
C1757E	Cable		X	T-21	K10-1
C1749C	Cable		X	T-21	K2-4
C1749D	Cable		X	T-21	K2-2

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: CORE SPRAY SYSTEM "B"

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 749

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1749G	Cable		X	T-21-R-9	K10-1	
C1749H	Cable		X	T-21-R9	K10-1	
2201B	Rack		X	R-9		
1461B	Flow XMTR		X	R-9		
1460B	Press. XMTR		X	R-9		



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

LOW PRESSURE COOLANT INJECTION/CONTAINMENT COOLING

SYSTEM: LPCI/ CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001-Sh. 759-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
DC-11A-2	Distr-SWBD		X	T-19E		
C1759A	Cable		X	T-21-F19E	K2-41	
CRP933	Panel		X	T-21		
C1760L	Cable		X	T-21	K2-7	
C1759G	Cable		X	T-21	K2-4	
C1759B	Cable		X	T-21	K2-7	
C1759C	Cable		X	T-21	K2-4	
2271	Rack		X	R-2C		
261-36A	DPIS		X	R-2C		
261-37A	DPIS		X	R-2C		
2277	Rack		X	R-2C		
261-36B	DPIS		X	R-2C		
261-37B	DPIS		X	R-2C		
C1759D	Cable		X	R-2C-T-21	K2-4	
C1759J	Cable		X	T-21	K2-3	
CRP932	Panel		X	T-21		
C1759E	Cable		X	R-2D-T-21	K2-3	
C1759H	Cable		X	R-2D-T-21	K10-1	
2251	Rack		X	R-2D		

SYSTEM: LPCI/ CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001-Sh. 759-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1759L	Cable		X	R-2C-T-21	K5-1	
302-100B	Diff. Press Sw.		X	R-2D		
C1759K	Cable		X	T-21	K2-41	
CRP903	Panel		X	T-21		
263-111A	PS		X	R-2D		
261-12A	DPIS		X	R-2D		

SYSTEM: LPIC/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 759-60

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
263-111C	PS		X	R-2D		
261-12C	DPIS		X	R-2D		
CRP 926	Panel		X	T-21		
C1760G	Cable		X	T-21	K2-2	
C1760H	Cable		X	T-21	K2-2	
C1760B	Cable		X	T-21	K2-7	
C1760C	Cable		X	T-21	K2-4	
CRF 919	Panel		X	T-21		
C1760A	Cable		X	T-21	K2-4	
C1760X	Cable		X	T-19B-T-21	K2-5	
SWGR #6	4160 SWGR		X	T-19B		
C1760AA	Cable		X	R-7-T-21	K10-1	
C1760Z	Cable		X	R-7-T-21	K10-1	
C1760AB	Cable		X	R-7-T-21	K10-1	
2201A	Rack		X	R-7		
1501-82A	SW		X	R-7		
1501-82C	SW		X	R-7		
1501-81C	Flow SW		X	R-7		
C1760R	Cable		X	R-19-T-21	K2-2	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: LPIC/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 759-60

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1760U	Cable		X	R-19-T-21	K2-2	
C1760P	Cable		X	R-19-T-21	K2-2	
2205	Rack		X	R-19		
1501-90C	PS		X	R-19		
1501-90A	PS		X	R-19		
263-52A	PS		X	R-19		

SYSTEM: LPIC/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 760-61

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1760M	Cable		X	R-19-T-21	K2-2	
C1760N	Cable		X	R-19-T-21	K2-2	
C1760Y	Cable		X	R-19-T-21	K2-2	
263-72A	LI-SW		X	R-19		
263-72C	LI-SW		X	R-19		
1501-83A	PS		X	R-19		
C1760S	Cable		X	R-7-T-21	K2-2	
C1760T	Cable		X	R-7-T-21	K2-2	
1501-72C	PSL		X	R-7		
1501-72A	PSL		X	R-7		
1501-81A	FS		X	R-7		
C1760J	Cable		X	R-2A-T-21	K2-2	
C1760K	Cable		X	R-2A-T-21		
263-54A	PS		X	R-2A		
263-73A	LI SW		X	R-2A		
C1760V	Cable		X	R-19-T-21	K2-2	
1530-83C	PS		X	R-19		
C1761B	Cable		X	T-21	K2-23	
C1761A	Cable		X	T-19B-T-21	K2-23	



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: LPIC/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 760-61

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 908	Panel		X	T-21		
Cl761C	Cable		X	T-21	K2-2	
Cl761L	Cable		X	T-19B-T-21	K2-2	
Cl761F	Cable		X	T-19B-T-21		
DC-1A	125VDC Emerg. Source		X	T-19E		
Cl761E	Cable		X	T-19E	K1-33	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on 8

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 761-62-63

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
#DC-1	125VDC Norm Source		X	T-19E		
C1761	Cable		X	T-19B-R-7	K1-4	
1502A	Pump (Motor)		X	R-7		
V10-Sh.	506 Valve		X	R-10		
C1762B	Cable		X	T-21	K2-41	
C1762A	Cable		X	T-19B-T-21	K2-46	
C1767G	Cable		X	T-19B-R-7	K2-2	
C1762	Cable		X	T-19B-R-7	K1-4	
SWGR #ç Cub3	4160V SWGR		X	T-19B		
1502C	Pump (Motor)		X	R-7		
B55	Box		X	R-7		
R1	Relay		X	R-		
C1763B	Cable		X	T-21		
C1763A	Cable		X	T-19B-T-21	K2-44	
C1763	Cable		X	T-19B-T-21	K1-6	
1501-65A	Pump (Motor)		X			

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 764-65-66

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1764B	Cable		X	T-21	K2-41	
C1764A	Cable		X	T-19B-	K2-44	
C1764	Cable		X	T-19E	K1-6	
1501-65C	Pump (Motor)		X	R-7		
1-LPC-4A	Valve (Motor)		X	R-7		
C1765	Cable		X	R-19B-R-7	K1-29	
1-LPC-4A	Valve (Limit S)		X	R-7		
C1765A	Cable		X	T-19B-T-21	K2-5	
C1765D	Cable		X	T-19B-T-21	K2-4	
2A-3 Cub #5	480UMCC Panel		X	T-19B		
C1765E	Cable		X	T-19B-T-21	K2-4	
C1765F	Cable		X	T-21	K2-4	
1540-6A	Position Modulator		X	T-21		
1501-5A	Valve (Slide Wire)		X	T-21		
C1766	Cable		X	R-2D-R-7	K1-27	
1-LP-2A	Valve (Motor)		X	R-7		
C1766A	Cable		X	R-2D-T-21	K2-6	
C1766B	Cable		X	R-2D-T-21	K2-6	
C1766C	Cable		X	T-19B-T-19E	K1-34	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPC/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 764-65-66

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1LP-2A	Lumit. SW		X	R-7		
DC-11A-2	MCC		X	T-19E		
Compt. #3A	MCC #2A-3		X	R-2D		

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 767-68-69-70-71

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-LP-2C	MO Valve		X	R-7	
1-LP-2C	Motor & SW		X	R-7	
C1767A	Cable		X	T-19B-T-21	K2-6
C1767B	Cable		X	T-19B-T-21	K2-6
1-LP-7A	MO Valve		X	R-7	
1-LP-7A	Motor & SW		X	R-7	
C1768A	Cable		X	T-19B-T-21	K2-6
C1768B	Cable		X	T-19B-T-21	K2-6
C1768C	Cable		X	T-21	
C1768	Cable		X	T-19B-R-7	K1-27
B-58	Box		X	R-2D	
1-LP-26A	MO Valve		X	R-2D	
1-LP-26A	Motor & SW		X	R-2D	
C1769	Cable		X	F-19B-R-2D	
C1769A	Cable		X	T-19B-R-7	K2-5
C1769B	Cable		X	T-19B-T-21	K2-5
C1769C	Cable		X	T-21	K2-4
1-LP-8A	MO Valve		X	R-7	
1-LP-8A	Motor & SW		X	R-7	

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 767-68-69-70-71

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1770	Cable		X	T-19B-R-7	K1-27	
C1770A	Cable		X	T-19B-R-7	K2-5	
C1770B	Cable		X	R-7	K2-6	
1-LP-15A	MO Valve		X	R-17		
1-LP-15A	Motor & SW		X	R-17		



SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 771-72-73-74

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CONTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1771	Cable		X	T-19B-R-17	K1-27
C1771A	Cable		X	T-19B-R-7	K2-5
C1771B	Cable		X	T-19B-T-21	K2-6
1-LP-16A	MO Valve		X	R-17	
5385-4005 DC	Motor & SW		X	R-17	
C1772	Cable		X	T-19E-R-17	K1-17-K1-38
C1772A	Cable		X	T-19E-R-17	K2-5
C1772B	Cable		X	T-19E-T-21	K2-6
C1772C	Cable		X	T-21	K-2-4
1-LP-9A	MO Valve		X	R-2C	
1-LP-10	Limit SW		X	R-2C	
1-LP-9H	Torque SW		X	R-2C	
C1773	Cable		X	R-2C-T-19B	K1-28
C1773A	Cable		X	T-19B-R-2C	K2-4
C1773B	Cable		X	T-19B-T-21	K2-6
C1773C	Cable		X	T-21	K2-5
C1773D	Cable		X	T-21	K2-4
CRP 933	Panel		X	T-21	
C1773E	Cable		X	T-19B-R-2C	K2-2

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 771-72-73-74

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-LP-10A	MO Valve		X	R2C	
1-LP-10A	Motor Torque SW		X	R2C	
1-LP-9A	Limit SW		X	R2C	
C1774	Cable		X	T-19B-R-2C	K1-27
C1774A	Cable		X	T-19B-R-2C	K9-6
C1774B	Cable		X	T-19B-T-21	K2-5

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 774-76-77-78-79

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTM. LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1774C	Cable		X	T-21	K2-5
C1774D	Cable		X	T-21	K2-4
1-LP-13A	MO Valve		X	R-10	
1-LP-13A	Motor & Limit SW		X	R-10	
C1776	Cable		X	T-19B-R-10	K1-27
C1776A	Cable		X	T-19B-R-10	K2-5
C1776B	Cable		X	T-19B-R-10	K2-6
C1776C	Cable		X	T-21	K2-4
1-LP-43A	MO Valve		X	R2C	
-LP-43A	Motor & Limit SW		X	R2C	
C1777	Cable		X	T-19B-R2C	K1-27
C1777A	Cable		X	T-19B-R2C	K2-5
C1777B	Cable		X	T-19B-T-21	K2-6
C1777C	Cable		X	T-21	K2-4
1-LP-44A	MO Valve		X	R2C	
1-LP-44A	Motor & SW		X	R2C	
C1778	Cable		X	R-19-R-10	K1-42, K1-38
C1778A	Cable		X	R-19-R-10	K2-4
C1778B	Cable		X	R-19-T-21	K2-6

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 774-76-77-78-79

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1778C	Cable		X	T-21	K2-4
B-131	Box		X	R-10	
1-LP-14A	MO Valve		X	R-10	
1-LP-14A	DC Motor & SW		X	R-10	
C1779	Cable		X	R-19-R-10	K1-17, K1-38
C1779A	Cable		X	R-19-R-10	K2-4

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPCI/CTMT Cooling

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 779-80-81

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone		Misc.
C1779B	Cable		X	R-19-T-21		K2-b
C1779C	Cable		X	T-21		K2-4
C1780B	Cable		X	T-21		K2-6
C1780C	Cable		X	R-7-T-21		K2-4
C1780D	Cable		X	R-9-T-21		K2-4
C1780E	Cable		X	T-21		K2-4
C1780F	Cable		X	R-9-T-21		K2-1
C1780G	Cable		X	T-19A T-21		K2-4
C1780H	Cable		X	T-19B T-21		K2-4
2201A	Rack		X	R-7		
1501-74A	PS		X	R-7		
1501-76A	FS		X	R-7		
1501-78A	dPS		X	R-7		
2201B	Rack		X	R-9		
1501-74B	PS		X	R-9		
1501-76B	FS		X	R-9		
1501-78B	dPS		X	R-9		
CRP950	Panel		X	T-21		
B186	Box		X	R-7		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 779-80-81

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
B124	Box		X	R-9		
C1781M	Cable		X	R-9	K2-2	
C1781K	Cable		X	R-9	K2-2	
1501-80D	FIS		X	R-9		
1501-80B	FIS		X	R-9		
C1781G	Cable		X	R-9-T-21	K2-4	



SYSTEM: LPGI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 781-82-83

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
B186	Box		X	R-7		
C1781J	Cable		X	R-7	K2-2	
C1781L	Cable		X	R-7	K2-2	
1501-80A	FIS		X	R-7		
1501-80C	FIS		X	R-7		
C1781AF	Cable		X	R-2D	K2-2	
C1781Y	Cable		X	R2D-R2B	K2-2	
C1781V	Cable		X	R2A-T-21	K2-2	
C1781AC	Cable		X	R2D-T-21	K2-2	
C1781AD	Cable		X	R2D-R-2B	K2-2	
C1781AB	Cable		X	R2D-T-21	K9-2	
C1781AA	Cable		X	R2D-R2B	K2-2	
C1781T	Cable		X	R2D-T-21	K2-2	
C1781AE	Cable		X	R2D	K2-2	
C1781X	Cable		X	R2D-R-19	K2-2	
C1782C	Cable	X		R-1 T-21	K2-7	
1501-32A	Check Valve	X		R-1		
C1782B	Cable	X		R-1-T-21	K2-8	
1501-33A	Check Valve	X		R-1		

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 781-82-83

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1782F	Cable	X		R-1-T-21	K2-7
1501-32B	Check Valve	X		R-1	
C1782E	Cable	X		R-1-T-21	K2-3
1501-33B	Valve Limit SW	X		R-1	
CRP919	Panel		X	T-21	
1540-10A	SQ RT		X	T-21	

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 783-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1504-6A	Pos. Modulator		X	T-21		
C1783E	Cable		X	T-21	K10-1	
C1783L	Cable		X	T-21	K10-1	
C1783G	Cable		X	T-21	K10-1	
C1783R	Cable		X	T-21	K10-1	
1540-11A	Flow Ind.		X	T-21		
1540-1A	Flow Ind.		X	T-21		
1540-3A	Diff. Press IC		X	T-21		
C1783T	Cable		X	T-21	K10-1	
1540-7	Flow Rec		X	T-21		
1540-6B	Pos. Modulator		X	T-21		
C1783U	Cable		X	T-21	K10-1	
C1783S	Cable		X	T-21	K10-1	
1540-3B	Diff. Press IC		X	T-21		
C1783M	Cable		X	T-21	K10-1	
C1783H	Cable		X	T-21	K10-1	
C1783F	Cable		X	T-21	K10-1	
C1783C	Cable		X	R-7-T-21	K10-1	
2201A	Rack		X	R-7		

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 783-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1551A	Flow X'mtr		X	R-7		
C1783J	Cable		X	R-7 & T-21	K10-1	
1542A	Flow X'mtr		X	R-7		
C1783N	Cable		X	R7-T21	K10-1	
1543A	Diff. Press X'mtr		X	R-7		
C1783V	Cable		X	R7-T21	K10-1	

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 783-84

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1549A	Flow X'mtr		X	R-7	
C1783W	Cable		X	R9-T21	K10-1
1549B	Flow X'mtr		X	R9-T21	
C1783P	Cable		X	R9-T21	K10-1
1549B	Diff. Press X'mtr		X	R9	
C1783K	Cable		X	R9-T21	K10-1
1542B	Flow X'mtr		X	R9	
C1783D	Cable		X	R9-T21	K10-1
1551B	Flow X'mtr		X	R9	
1540-10B	SQ RT		X	T-21	
C1784A	Cable		X	R2B-T21	K2-41
DC-11A-1	Distr. SWBD		X	R-2B	
C1784K	Cable		X	T-21	K2-2
C1784L	Cable		X	T-21	K2-2
C1784B	Cable		X	T-21	K2-7
C1784D	Cable		X	R8-T21	K2-4
C1784C	Cable		X	R8-T21	K2-4
C1784N	Cable		X	T-21	K2-4
C1784H	Cable		X	R2D-T21	K2-3

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 783-84

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1784M	Cable		X	R2D-T21	K2-3	
C1784R	Cable		X	R2D-T21	K5-1	
C1784P	Cable		X	T-21	K5-1	
#2271	Rack		X	R-8		
2272	Rack		X	R-8		
2252	Rack		X	R-8		



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPCI/CTMT Cooling

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 784-85

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
261-38A	DPIS		X	R-8		
261-39A	DPIS		X	R-8		
261-38B	DPIS		X	R-8		
261-39B	DPIS		X	R-8		
263-111B	PS		X	R-2D		
261-12B	DPIS		X	R-2D		
263-111D	PS		X	R-2D		
261-12D	DPIS		X	R-2D		
302-100A	DPS		X	R-8		
C1785C	Cable		X	T-21	K2-22	
CRP #919	Panel		X	T-21		
C1785B	Cable		X	T-21	K2-7	
C1785X	Cable		X	T19B-T-21		
C1785A	Cable		X	R9-T21	K10-1	
C1785D	Cable		X	R9-T21	K10-1	
C1785Z	Cable		X	R9-T21	K2-2	
C1785R	Cable		X	R19-T21	K2-2	
C1785U	Cable		X	R19-T21	K2-2	
C1785P	Cable		X	R19-T21	K2-2	

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 784-85

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1785M	Cable		X	R19-T21	K2-2	
C1785N	Cable		X	R19-T21	K2-2	
C1785Y	Cable		X	R19-T21	K2-2	
C1785S	Cable		X	R9-T21	K2-22	
C1785AA	Cable		X	R9-T21	K2-2	
C1785J	Cable		X	R2D-T21	K2-2	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 785-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1785K	Cable		X	R2D-T21	K2-2	
C1785E	Cable		X	R2D-T21	K10-1	
C1785AB	Cable		X	R19-T21	K2-2	
Cub #5	4160 SWGR		X	T-19B		
2201B	Rack		X	R-9		
2206	Rack		X	R-19		
2252	Rack		X	R-2D		
1501-82B	PS		X	R-9		
1501-82D	PS		X	R-9		
1501-81D	FS		X	R-9		
1501-90D	PS		X	R-19		
1501-90B	PS		X	R-19		
263-52B	PS		X	R-19		
263-72B	LIS		X	R-19		
263-72D	LIS		X	R-19		
1501-83B	PS		X	R-19		
1501-72B	PS		X	R-9		
1501-81B	FS		X	R-9		
1501-72D	PS		X	R-9		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 785-

COMPONENTS

PLANT I.D. NO.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
263-54B	PS		X	R-2D	
263-73B	LIS		X	R-2D	
263-52D	PS		X	R-2D	
1501-83D	PS		X	R-19	
X100A	Penetration		X	R-1	
X104D	Penetration		X	R-1	

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 786-87-88-89

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1502B	Pump (Motor)		X	R-9		
C1786	Cable		X	T19A-R-9	K1-5	
C1786A	Cable		X	T19A-T21	K2-25	
C1786B	Cable		X	T-21	K2-23	
C1786E	Cable		X	T21-T19E	K1-29	
B-56	Box			T19E		
C1786F	Cable		X	T21-T19E	K1-33	
Cub 3	4160U SWGR #5		X	T-19A		
V10-5B	Sol Valve		X	R-9		
1502D	Pump (Motor)		X	R-9		
C1787	Cable		X	T19A-R9	K1-5	
C1787A	Cable		X	T19A-T21	K2-46	
C1787B	Cable		X	T-21	K2-43	
Cub 4	4160U SWGR #5		X	T-19A		
150165B	Pump (Motor)		X	R-9		
C1788	Cable		X	R9-T19A	K1-6	
C1788A	Cable		X	T19A-T21	K2-44	
C1788B	Cable		X	T-21	K2-41	
Cub 8	4160U SWGR #5		X	T-19A		

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 786-87-88-89

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1501-65D	Pump (Motor)		X	R-9		
C1789	Cable		X	R9-T19A	K1-6	
C1789A	Cable		X	T19A-T21	K2-44	
C1789B	Cable		X	T-21	K2-41	
Cub 9	4160U SWGR #5		X	T-19A		



SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 790-91-92

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-LPC-4B	Valve (Motor)		X	R-9	
C1790	Cable		X	R9-R2A	K1-27
C1790B	Cable		X	R9-R2A	K2-5
1-LPC-4B	Limit SW-TSC		X	R-9	
C1790D	Cable		X	T21-R2A	K2-4
C1790E	Cable		X	T21-R2A	K2-4
C1790F	Cable		X	T21-R-7	K2-4
1540-6B	Position Mod.		X	T-21	
1501-5B	Slide Wire		X	R-7	
1-LP-2B	Valve (Motor)		X	R-9	
1-LP-2B	Limit SW		X	R-9	
C1791	Cable		X	R9-R2A	K1-27
C1791A	Cable		X	R9-R2A	K2-6
B-57	Box		X	R-9	
C1791B	Cable		X	R2A-T21	K2-6
C1791C	Cable		X	R2B-R2A	K1-34
Compt #2D	MCC #2-5		X	R2A	
Compt #1B	MCC #F3		X	R2A	
1-lp-2D	Valve (Motor)		X	R-9	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 790-91-92

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1-LP-2D	Limit SW		X	R-9		
C1792	Cable		X	R9-R2A	K1-27	
C1792A	Cable		X	R2A-R9	K2-6	
C1792B	Cable		X	R2A-T21	K2-6	
Compt #1C	MCC E3		X	R2A		

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 793-94-96-97

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1-LP-7B	Valve (Motor)		X	R-9		
1-LP-7B	Limit SW		X	R-9		
C1793	Cable		X	R2A-R9	K1-27	
C1793A	Cable		X	R2A-R9	K2-6	
C1793B	Cable		X	R2A-T21	K2-6	
C1793C	Cable		X	T-21	K2-26	
1-LP-26B	Valve (Motor)		X	R-2A		
1-LP-26B	Limit SW		X	R-2A		
C1794	Cable		X	R-2A	K1-27	
C1794A	Cable		X	R-2A	K2-6	
C1794B	Cable		X	R2A-T21	K2-6	
C1794C	Cable		X	T-21	K2-4	
(2-3) Comp#3D	MCC E3		X	R2A		
1-LP-15B	Valve (Motor)		X	R-2A		
1-LP-15B	Limit SW		X	R-2A		
C1796	Cable		X	R-2A	K1-27	
C1796A	Cable		X	R-2A	K2-5	
C1796B	Cable		X	R2A-T21	K2-6	
C1796C	Cable		X	T-21	K2-4	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 793-94-96-97

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
(2-3) Comp#2A	MCC E3		X	R-2A	
1-LP-16B	Valve (Motor)		X	R-2A	
1-LP-16B	Limit SW		X	R-2A	
C1797	Cable		X	R-2A	K1-17, K1-38
B-212	Box		X	R-2A	

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 797-98-99-800

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1797A	Cable		X	R2B-R2A	K2-5
C1797B	Cable		X	R2B-R2A	K2-6
C1797C	Cable		X	K2B-T21	K2-4
C1781Y	Cable		X		No Info
1-LP-9B	Valve (Motor)		X	R-2A	
1-LP-9B	Limit SW		X	R-2A	
C1798	Cable		X	R-2A	K1-28
C1798A	Cable		X	R-2A	K2-5
C1798B	Cable		X	R2A-T21	K2-5
C1798C	Cable		X	T-21	K2-5
C1798D	Cable		X	T-21	K2-4
C1798F	Cable		X	R2A-T21	No Info
C1798F	Cable		X	R-2A	K2-2
1-LP-10B	Valve (Motor)		X	R-2A	
1-LP-10B	Limit SW		X	R-2A	
C1799	Cable		X	R-2A	K1-27
C1799A	Cable		X	R-2A	K2-5
C1799B	Cable		X	R2A-T21	K2-6
C1799C	Cable		X	T-21	K2-5

SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 797-98-99-800

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1799D	Cable		X	T-21	K2-4	
C1799E	Cable		X	R2A	K2-2	
1-LP-13B	Valve (Motor)		X	R-10		
1-LP-13B	Limit SW		X	R-10		
C1800	Cable		X	R2A-R10	K1-27	
C1800A	Cable		X	R10-R2A	K2-5	



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: LPCI /CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 800

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1800B	Cable		X	R2A-T21	K2-5	
C1800C	Cable		X	T-21	K2-4	
(2-3) Comp#3A	MCC E3		X	R-2A		

SYSTEM: LPCI/CTMT Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 802-03-01

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1802-S1	Cable		x	R2B-R10		
1-LP-44B	M. O. Valve		x	R10	1501-36B	
C1802A-S1	Cable		x	R2B-R10	limit switch	
C1802B-S1	Cable		x	R2B-T21		
C1802C-S1	Cable		x	T21		
C1803-S1	Cable		x	R2B-R10		
1-LP-14B	M. O. Valve		x	R10	1501-37B	
C1803A-S1	Cable		X	R2B-R10	limit switch	
C1803B-S1	Cable		x	R2B-T21		
C1803C-S1	Cable		x	T21		
C1801-S1	Cable		x	R2B-R10		
1-LP-43B	M. O. Valve		x	R10		
C1801A-S1	Cable		x	R2B-R10	limit switch	
C1801B-S1	Cable		x	R2B-T21		
C1801C-S1	Cable		x	T21		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

AUTOMATIC DEPRESSURIZATION SYSTEM

SYSTEM: AUTOMATIC  
DEPRESSURIZATION SYS.

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 488

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
2205	Rack		X	R19		
1620C	P.S.		X	R19		
C1488E	Cable		X	R19-T21	K2-2	
1620A	P.S.		X	R19		
C1488F	Cable		X	R19-T21	K2-2	
CRP 933	Panel		X	T21		
C1488T	Cable		X	T21	K10-1	
C1488R	Cable		X	T21	K2-2	
C14885	Cable		X	T21	K2-2	
SWBD-DC-11A-2	Distr. Swb'd.		X	R19	125V-	
C1488A	Cable		X	R19-T21	K1-29	
203-3A	P.S.	X		R1		
C1488H	Cable		X	R1-T21	K2-2	
203-3A	Sol. Valve	X		R1		
C1488G	Cable		X	R1-T21	K2-2	
203-3C	P.S.	X		R1		
C1488L	Cable		X	R1-T21	K2-2 (R-1=	
203-3C	Sol. Valve	X		R1		
C1488M	Cable		X	R1-T21	K2-2	
203-3F	P.S.	X		R1		
C1488VA	Cable		X	R1-T21	Kerite 1973 1000; B/W 1976*	
203-3F	Sol. Valve	X		R1		
C1488WA	Cable		X	R1-T21	Kerite 1973 1000; B/W 1976*	
C2008D	Cable		X		Not on Cable Sheet	

\*Cable in Containment.

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Con. on 3

AUTOMATIC  
SYSTEM: DEPRESSURIZATION SYS.

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 488-488A

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 980	Panel		X	T21		
CRP 932	Panel		X	T21		
C1488B	Cable		X	T21	K2-8	
C1488C	Cable		X	T21	K2-8	
C1488J	Cable		X	T21	K2-8	
C1488K	Cable		X	T21	K2-8	
CRP 903	Panel		X	T21		
RV203-b	PS	X		R1		
RV203-b	Sol. Valve	X		R1		
C1488N	Cable		X	R1-T21	K2-2	
C1488P	Cable		X	R1-T21	K2-2	
C1488RA	Cable		X	R1-T21	Kerite 1973; B/W 1976*	
C1488SA	Cable		X	R1-T21	Kerite 1973; B/W 1976*	
C1488TA	Cable		X	R1-T21	Kerite 1973; B/W 1976*	
C1488UA	Cable		X	R1-T21	Kerite 1973; B/W 1976*	
C2008A	Cable		X	T21	Not on Cable Sheet	
C2008B	Cable		X	T21	Not on Cable Sheet	
C2008C	Cable		X	T21	Not on Cable Sheet	
C2007B4	Cable		X	T21	Not on Cable Sheet	
C2007DB	Cable		X	T21	Not on Cable Sheet	
C2007DA	Cable		X	T21	Not on Cable Sheet	
C2007DB	Cable		X	T21	Not on Cable Sheet	
C2007EA	Cable		X	T21	Not on Cable Sheet	
C2007DB	Cable		X	T21	Not on Cable Sheet	

\*Cable in Containment.

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4SYSTEM: AUTOMATIC  
DEPRESSURIZATION SYS.

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 488A-489-490-492

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
RV203-3d	P.S.	X		R1		
RV203-3d	Sol. Valve	X		R1		
RV203-e	P.S.	X		R1		
RV203-e	Sol. Valve	X		R1		
RV203-3e	P.S.	X		R1		
2206	Rack		X	R19		
1620D	P.S.		X	R19		
1620B	P.S.		X	R19		
C1489E	Cable		X	R19-T21	K2-2	
C1489F	Cable		X	R19-T21	K2-2	
CRP 933	Panel		X	T21		
C1489G	Cable		X	T21	K2-2	
C1489H	Cable		X	T21	K2-2	
C1489J	Cable		X	T21	K2-8	
C1489L	Cable		X	T21	K10-1	
C1489B	Cable		X	T21	K2-7	
C1489C	Cable		X	T21	K2-6	
C1489K	Cable		X	T21	K10-1	
261-22A	RTD (Loc.)		X	R4		
C1490A	Cable		X	R4-T21	K10-5	
261-22B	RTD (Loc.)		X	R4		
C1490B	Cable		X	R4-T21	K10-5	
261-22C	RTD (Loc.)		X	R4		
C1490C	Cable		X	R4-T21	K10-5	
261-22D	RTD (Loc.)		X	R4		
C1490D	Cable		X	R4-T21	K10-5	



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5SYSTEM: AUTOMATIC  
DEPRESSURIZATION SYS.

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 492

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1492B	Cable	X		R1-T1	K10-1; K2-100*
203-5A	Sol. Valve	X		R1	
C1492C	Cable	X		R1-T21	K10-1; K2-100*
203-7B	Sol. Valve	X		R1	
C1492D	Cable	X		R1-T21	K10-1; K2-100*
203-6B	Sol. Valve	X		R1	
C1492E	Cable	X		R1-T21	K10-1; K2-100*
203-5B	Sol. Valve	X			
C1492F	Cable	X		R1-T21	K10-1; K2-100*
203=7C	Sol. Valve	X		R1	
C1492G	Cable	X		R1-T21	K10-1; K2-100*
203-6C	Sol. Valve	X		R1	
C1492H	Cable	X		R1-T21	K10-1; K2-100*
203-5C	Sol. Valve	X		R1	
C1492J	Cable	X		R1-T21	K10-1; K2-100*

\*Cable in Containment.

AUTOMATIC  
SYSTEM: DEPRESSURIZATION SYS.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 492-492A

COMPONENTS

PLANT I.D. No.	GENERIC NAME	COMPONENT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
287-304	Switch		X	T21	GE #CR2940
203-7D	Sol. Valve	X		R1	
X-100A	Penetration	X		R1	
C1492K	Cable	X		R1-T2	K10-1; K2-100*
203-6D	Sol. Valve	X		R1	
C1492L	Cable	X		R1-T21	K10-1; K2-100*
203-5D	Sol. Valve	X		R1	
C1492M	Cable	X		R1-T21	K10-1; K2-100*
203-7E	Sol. Valve	X		R1	
C1492N	Cable	X		R1-T21	K10-1; K2-100*
203-6E	Sol. Valve	X		R1	
C1492O	Cable	X		R1-T21	K10-1; K2-100*
203-5E	Sol. Valve	X		R1	
C1492P	Cable	X		R1-T21	K10-1; K2-100*
203-7F	Sol. Valve	X		R1	
C1492Q	Cable	X		R1-T21	K10-1; K2-100*
203-6F	Sol. Valve	X		R1	
C1492R	Cable	X		R1-T21	K10-1; K2-100*
203-5F	Sol. Valve	X		R1-T21	
C1492S	Cable	X		R1-T21	K10-1; K2-100*
287-305	Switch	X		T21	GE #CR2940
X-103	Penetration	X		R1	
203-7A	Sol. Valve	X		R1	
C1492A	Cable	X		R1-T21	K10-1; K2-100*
203-6A	Sol. Valve	X		R1	

\*Cable in Containment.

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

FEEDWATER SYSTEM/FEEDWATER COOLANT INJECTION

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 369

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M2-10B	RFP (Motor)		X	T-5B	"B" Pump Motor
C1369 A	Cable		X	T-5B-T-19E	K1-1
C1369 B	Cable		X	T-5B-T-19E	K1-1
C1369 K	Cable		X	T-5B-T-19E	K2-63
4KV Bux #1 Cub #4	4KV SWGR		X	T-19E	
U <sup>PS</sup> 2-20	Suction Press. Sw.		X	T-5B	
C1369 C	Cable		X	T-19F-T-5B	K2-23
PS-2-393	Lube Oil P.S.		X	T-5B	
C1369 E	Cable		X	T-5B-T-19E	K2-21
C1369 L	Cable		X	T-19E-T-21	K2-61
C1369 F	Cable		X	T-19E-T-21	K2-25
C1369 R	Cable		X	T-21	K2-21
C1369 N	Cable		X	T-21-T-19C	K2-21
4160V SWGR3, Cub 6	4KV SWGR. #3		X	T-19C	
4160V SWGR2, Cub 2	4KV SWGR. #2		X	T-19D	
C1369 P	Cable		X	T-19D-T-19C	K2-21
4160V SWGR1 Cub 3	4KV SWGR. 1		X	T-19C	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 369

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
PS-2-56	P.S.		X	T-5B	
Motor Terminal Box	Box		X	T-5B	

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 326, 327, 660

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-FW-4A (Motor)	Feedwater Valve		X	T-5B	
C1326	Cable		X	T-5B-T-5C	K1-12
B335	Barrier		X	T-5B	
MCC2-4, Comp.4A	MCC 2-4		X	T-5C	
V2-35A	Limit Sw.		X	T-5B	
C1326A	Cable		X	T-5B-T-5C	K2-5
C1326B	Cable		X	T-5C-T-21	K2-6
CRP905	Panel		X	T-21	
1-FW-4B (Motor)	Feedwater Valve		X	T-5B	
C1327	Cable		X	T-5B-T-5C	K1-12
MCC2-4, Compt.4B	MCC2-4		X	T-5C	
V2-35 B	Limit Sw.		X	T-5B	
C1327A	Cable		X	T-5B-T-5C	K2-5
C1327B	Cable		X	T-5C-T-21	K2-6
642A	FD. Cont. Valve		X	T-5B	for 1-FW-5a
656A	Local P.S.		X	T-5B	
C1660B	Cable		X	T-5B-T-21	K2-2
655A	Sol.		X	5-5B	
C1660C	Cable		X	T-5B-T-21	K2-2



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: Feedwater Sys./FWCI

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 326, 327, 660

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
642B	FD. cont. Valve		X	T-5B	for 1-FW-5b	
656B	Local P.S.		X	T-5B		
655B	Sol.		X	T-5B		
C1660D	Cable		X	T-5B-T-21	K2-2	
C1660E	Cable		X	T5B-T-21	K2-2	
CRP	Panel		X	T-21		

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 368

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M2-10A	RFP (Motor)		X	T-5B	"A" Pump Motor
Motor Terminal Box	Terminal Box		X	T-5B	
C1368 A	Cable		X	T-5B-T-19E	K1-1
C1368 B	Cable		X	T-5B-T-19E	K1-1
C1368 K	Cable		X	T-5B-T-19E	K2-63
4160 SWGR1, Cub 3	4KV SWGR No. 1		X	T-19E	
PS 2-16	Suction Press. Sw.		X	T-5B	
C1368C	Cable		X	T-19E-T-5B	K2-23
PS-2-39A	Lube Oil P.S.		X	T-5B	
C1368 E	Cable		X	T-19E-T-5B	K2-21
C-1368 L	Cable		X	T-19E-T-21	K2-61
C-1368 F	Cable		X	T-19E-T-21	K2-25
CRP 906	Panel		X	T-21	
C1368R	Cable		X	T-21	K2-21
CRP 926	Panel		X	T-21	
C1368N	Cable		X	T-21-T-19C	K2-21
4160V SWGR3, Cub 4	4KV SWGR. #3		X	T-19C	
DP-1(MCC2-4)	MCC2-4, Comp 2A		X	T-5C	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 368

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1368M	Cable		X	T-19E-T-5C	K1-33
PS-2-54	P.S.		X	T-5B	
4160V SWGR 2, Cub 2	SWGR2		X	T-19D	
C1368 P	Cable		X	T-19E-T-19D	K2-21
4160V SWGR 1, Cub 4	4KV SWGR. #1		X	T-19E	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 364, 325, 370, 373, 664

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1325B	Cable		X	T-21	K2-21
CRP 933	Panel		X	T-21	
C1325H	Cable		X	T-21	K2-21
LS-2-23	L.S.		X	T-1	
C1325C	Cable		X	T-1-T-21	K2-21
LS2-24	L.S.		X	T-1	
C1325D	Cable		X	T-1-T-21	K2-21
4160V, SWGR 1, Cub 6	4KV SWGR #1		X	T-19C	
C1325 E	Cable		X	T-19C-T-21	K2-21
4160V, SWGR 3, Cub 8	4KV SWGR #3		X	T-19C	
C1325 F	Cable		X	T-19C-T-21	K2-21
CRP 926	Panel		X	T-21	
Distr. Panel DC-11A1	Panel Cht. 22		X	R-2B	
P.S.-2-39C	Lube Oil P.S.		X	T-5B	
C1370E	Cable		X	T-5B-T-19D	K2-21
P.S.-2-55	P.S. Disch. Piess.		X	T-5B	
C1664K	Cable		X	T-5B-T-21	K2-2
PS2-57	P.S. Disch. Press.		X	T-5B	

## MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 364, 325, 370, 373, 664

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C16664L	Cable		X	T-5B-T-21	K2-2
P.S.-2-10	P.S.		X	T-5A	
C1364A	Cable		X	T-5A-T-21	K10-1
PS-2-24	P.S.		X	T-5B	
C1370C	Cable		v	T-5B-T-19D	K2-23
PS-2-40C	P.S.		X	T-5B	
C1373A	Cable		X	T-5B-T-5C	K2-2

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 363, 330

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M2-7B (Motor)	Cond. Booster PM		X	T-5A	
C1363	Cable		X	T-5A-T-19C	K1-3
4160V SWGR 3, Cub 6	4KV SWGR No. 3		X	T-19C	
C1363 B	Cable		X	T-19C-T-21	K2-61
C1363 E	Cable		X	T-19C-T-21	K2-46
C1363 A	Cable		X	T-5A-T-21	K2-23
PS-2-9	Suct. P.S.		X	T-5A	
C1363 G	Cable		X	T-21	K2-21
C1363 H	Cable		X	T-19C-T-21	K2-21
4160V SWGR 3, Cub 5	4KV SWGR. 3		X	T-19C	
1363 D	Cable		X	T-5Z-T-19C	K2-21
PS-2-53	P.S. (Suct.)		X	T-5A	
MCC1A-2(02) Compt. 4B	MCC1A-2		X	T-5A	
C1330-A	Cable		X	T-5A-T-19C	
C133J-C	Cable		X	T-19C-T-5A	
Lube Oil Pm. (Motor)	Booster L.O. PM		X	T-5Z	Loop "B"
Starter Disc Sw. A	Starter Sw.		X	T-19C	



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 10 Cont. on 11

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 363, 330

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1330-E	Cable		X	T-19C-T-21	SEE PA73-129
C1330-F	Cable		X	T-19C-T-21	SEE PA73-129
C1330-G	Cable		X	T-19C-T-21	SEE PA73-129
C1330-N	Cable		X	T-21	SEE PA73-129
C1330-H	Cable		X	T-19C-T-21	SEE PA73-129
C1330-I	Cable		X	T-19C-T-21	SEE PA73-129
C1330-J	Cable		X	T-19C-T-21	SEE PA73-129
C1330-O	Cable		X	T-21	

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 330

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
Lube Oil PM (Motor)	Booster L.O. PM		X	T-5A	Loop "B"	
C1330-D	Cable		X	T-5A-T-19C	SEE PA73-129	
C1330-B	Cable		X	T-5A-T-19C	SEE PA73-129	
MCC1A-2(D2) Compt. 4C	MCC Compt. 4C		X	T-5A		
PS 9	P.S.		X	T-5A	SEE PA73-129	
C1330-L	Cable		X	T-5A-T-21	SEE PA73-129	
C1330-K	Cable		X	T-5A-T-21	SEE PA73-129	
Pump Control Panel	Control Panel "B"		X	T-21		
C1330-M	Cable		X	T-19C	SEE PA73-129	
TB3	Term. Block		X	T-21		

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 329

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1329-H	Cable		X	T-19C-T-21	SEE PA73-129
Starter Disc. Sw. B	Starter Sw.		X	T-19C	
C1329-I	Cable		X	T-19C-T-21	SEE PA73-129
C1329-J	Cable		X	T-19C-T-21	SEE PA73-129
C1330-O	Cable		X	T-21	SEE PA73-129
Lube Oil PM (Motor)	Booster L.O. pm		X	T-5A	"A" Loop
C1329-D	Cable		X	T-5A-T-19C	SEE PA73-129
C1329-B	Cable		X	T-5A-T-19C	SEE PA73-129
MCC1A-2(DC) Compt. 3B	MCC, compt. 3B		X	T-5A	
Pump Cont. Panel	Panel "A"		X	T-21	
P.S. 9	P.S.		X	T-5A	
C1329-K	Cable		X	T-5A-T-21	SEE PA73-129
C1329-L	Cable		X	T-5A-T-21	SEE PA73-129

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 362, 329

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M2-7A (Motor)	Cond. Booster PM		X	T-5A	
C1362	Cable		X	T-5A-T-19C	K1-3
4160V SWGR 3, Cub 4	4KV SWGR. No. 3		X	T-19C	
C1362 B	Cable		X	T-19C-T-21	K2-61
C1362 D	Cable		X	T-19C-T-19D	K2-2
C1362 F	Cable		X	T-19C-T-21	K2-46
C1362 J	Cable		X	T-21	K2-21
C1362 K	Cable		X	T-19C-T-21	K2-21
4160V SWGR 3, Cub 3	4KV, SWGR. #3		X	T-19C	
C1362 G	Cable		X	T-19C-T-5A	K2-21
PS-2-52	P.S.		X	T-5A	
C1362 H	Cable		X	T-5A-T-21	K2-23
PS-2-8	Suct. P.S.		X	T-5A	
4160V, SWGR.4, Cub 4	4KV SWGR. #4		X	T-19D	
C1362 E	Cable		X	T-19D-T-21	K2-2
Lube Oil P.M. (Motor)	Booster L.O. PM.		X	T-5A	"A" Pump
C1329C	Cable		X	T-5A-T-19C	

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 363, 329

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1329A	Cable		X	T-5A-T-19C		
MCC1A-2(D-2) Compt. 3A	MCC		X	T		
Starter Disc. Sw. "A"	Starter Sw.		X	T-19C		
C1329-E	Cable		X	T-19C-T-21	SEE PA73-129	
C1329-F	Cable		X	T-19C-T-21	SEE PA73-129	
C1329-G	Cable		X	T-19C-T-21	SEE PA73-129	
C1329-N	Cable		X	T-19C-T-21	SEE PA73-129	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 373, 344, 395

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
MCC(2A-4) Comp. 2C	MCC (2A-4)		X	T-5C		
PS-2-58	P.S.		X	T-3		
C1344W	Cable		X	T-3-T-21	K2-2	
C1344U	Cable		X	T-21	K2-2	
LT-7-50	Cond. TK. Level		X	Outside		
C1395A	Cable		X	O.S.-T-21	K10-1	
CRP 934	Panel		X	T21		
C1395C	Cable		X	O.S.-T-21	K10-1	
LI-7-50	Level Ind.		X	Outside		
F.S0-2-4	Sol. Valve		X	T-3		
C1344V	Cable		X	T-3-T-21	K2-2	
CRP 926	Panel		X	T-21		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCD

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 378, 374, 371

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
M2-18A(Motor)	Wtr. Return Pm		X	T-1		
C1378	Cable		X	T-1-T-5C	K1-27	
MCC2-4 Compt 3E	MCC2-4		X	T-5C		
CRP 906	Panel		X	T-21		
C1378C	Cable		X	T-5C-T-21	K2-21	
C1378B	Cable		X	T-5C-T-21	K2-21	
LS-8-33	L.S.		X	T-5C		
LS-8-32	L.S.		X	T-5C		
M2-17A (Motor)	Wtr. Inj. Pump		X	T-5B		
C1374	Cable		X	T-5B-T-5C	K1-27	
MCC2-4, Compt. 3A	MCC2-4		X	T-5C		
C1374 A	Cable		X	T-5C-T-21	K2-4	
M2-10A (Motor)	RFP, Lube Oil PM		X	T-5B		
C1371	Cable		X	T-5B-T-5C	K1-27	
MCC2-4, Compt3C	MCC 2-4		X	T-5C		
PS 2-40 A	P.S.		X	T-5B	Lube Oil	
C1371A	Cable		X	T-5B-T-5C	K2-4	
C13/1B	Cable		X	T-5C-T-21	K2-4	
C1378 A	Cable		X	T-5C-T-5B	-5	



SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-3100<sup>1</sup> Sh. 379, 375, 372COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
M2-18B (Motor)	Wtr. Return PM		X	T-1		
C-1379	Cable		X	T-1-T-5C	K1-27	
MCC-2A-4 Compt. 2B	MCC-2A		X	T-5C		
C1379A	Cable		X	T-5C-T-21	K2-5	
M2-17B (Motor)	Wtr. Inj. PM		X	T-5B		
C1375	Cable		X	T-5B-T-5C	K1-27	
MCC2-4, Compt. 3B	MCC2-4		X	T-5c		
C1375 A	Cable		X	T-5C-T-21	K2-4	
M2-10-B (Motor)	Lube Oil PM		X	T-5B		
C1372	Cable		X	T-5B-T-5C	K1-27	
MCC 2-4 Compt 3-D	MCC 2-4		X	T-5C		
C1372A	Cable		X	T-5B-T-5C	K2-2	
PS-2-40B	Lube Oil P.S.		X	T-5B		
C1372 B	Cable		X	T-5C-T-21	K2-4	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 356

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M2-6A (Motor)	Cond. Pump		X	T-5A	
C1356	Cable		X	T-5A-T-19C	K1-6
4160V SWGR 3,	4KV SWGR No. 3		X	T-19C	
C1356 B	Cable		X	T-19C-T-21	K2-61
C1356 D	Cable		X	T-19C-T-19D	K2-2
C1356 G	Cable		X	T-19C-T-21	K2-25
4160V SWGR 4, Cub 3	4KV SWGR. 4		X	T-19D	
C1356 C	Cable		X	T-19D-T-21	K2-2
V2-1a	Suct. Val L.S.		X	T-5A	
V2-3a	Disch, Val L.S.		X	T-5A	
CRP 906	Panel		X	T-21	
C1356 L	Cable		X	T-21-R-2B	K1-30
DC-11A-1	Distr. Pan		X	R-2B	
C1356 H	Cable		X	T-21-T-1	K2-2
C1356 J	Cable		X	T-21-T-1	K2-2
LS-2-3	Level Sw.		X	T-1	Hot well M1-2a
LS-2-4	Level Sw.		X	T-1	Hot well M1-2b
C1356 K	Cable		X	T-21	K2-21
CRP 926	Panel		X	T-21	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 356

COMPONENTS

PLANT I.D. No.	GENERAL NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1356 E	Cable		X	T-21-T-5A	K2-23
C1356 F	Cable		X	T-21-T-5A	K2-23

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 357, 335

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
M2-6B (Motor)	Cond. Pump		X	T-5A		
C1357	Cable		X	T-5A-T-19C	K1-6	
SWGR No. 3 Cub5	SWGR No. 3		X	T-19C		
C1357 B	Cable		X	T-19C-T-21	K2-61	
C1357 E	Cable		X	T-19C-T-21	K2-25	
C1357 C	Cable		X	T-5A-T-21	K2-2	
V2-1b	Suct. Val. L.S.		X	T-5A		
C1357 D	Cable		X	T-5A-T-21	K2-2	
C1357 F	Cable		X	T-21	K2-21	
V2-3b	Disch. Val. L.S.		X	T-5A		
M7-28 (Motor)	Cond. Trans. PM		X	R-6	FWCT	
C1335	Cable		X	R-6-T-19C	K1-4	
4KV SWGR. No. 3	SWGR. No. 3		X	T-19C		
C1335 A	Cable		X	T-19C-T-21	K2-24	
C1335 B	Cable		X	T-19C-T-21	K2-2	
C1335 D	Cable		X	T-21	K2-21	
1-MW-97 (M.O.)	Eng. Cond. Pm.		X	R-6	V7-143	
C1332	Cable		X	R-6-R-2A	K1-27	
MCC 2-3, Compt. 5E	MCC 2-3		X	R-2A		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 357, 335

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1332 A	Cable		X	R-6-R-2A	K2-5
V7-143	L.S.		X	R-6	
C1332C	Cable		X	R-2A-T-19C	K2-4
C1332B	Cable		X	R-2A-T-21	K2-3

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: Feedwater Sys./FWCI

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 660

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1660 A	Cable		X	T-21	K2-25	
CRP 918	Panel		X	T-21		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

ISOLATION CONDENSER SYSTEM



SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 886, 887, 888

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1886B	Cable		X	R-14	K10-5
RTD 1346B	RTD		X	R-14	
C1886C	Cable		X	R-14	K10-5
RTD1346C	RTD		X	R-14	
C1886D	Cable		X	R-14	K10-5
RTD1346D	RTD		X	R-14	
CRP 921	Panel		X	T-21	
1345	Press. XMTR		X	R-14	
C1887H	Cable		X	R-14T-21	K10-1
1341	Lev. XMTR		X	R-14	
C1887J	Cable		X	R-14-T-21	K10-1
CRP 919	Panel		X	T-21	
C1887A	Cable		X	T-21	K10-1
C1887B	Cable		X	T-21	K10-1
C1887E	Cable		X	R-14-T-21	K9-1
1342A	T.E.		X	R-14	
C1887F	Cable		X	R14-T-21	K9-1
1342B	TE		X	R-14	
C1887G	Cable		X	R-14-T-21	K9-1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 886, 887, 888

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1343	TE		X	R-14		
1-IC-7	L.S.	X		R-14	1301-17	
C1888C	Cable	X		R-14-T-21	K2-3	
1-IC-38	Pilot Sol.		X	R-14	1301-41	
C1888A	Cable		X	R-14-T-21	K2-2	
1-IC-37	Pilot Sol.		X	R-14	1301-42	
C1888E	Cable		X	R-14-T-21	K2-2	
1-IC-6	L.S.	X		R-14	1301-20	
C1888G	Cable	X		R-14-T-21	K2-3	
X-103	Penetration	X		R1		
1-IC-4	Local Ct. St.	X		R-1		

SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 880, 881, 882

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-IC-1	Valve (M.O.)	X		R-1	M.O. 1301-1 (A.C.)
C-1880	Cable	X		R-1-R-2A	K1-28
X-105D	Penetration	X		R-1	
480V MCC 2-3	Motor Control Ct.		X	R-2A	Compt. 10
C1880A	Cable		X	R-1-R-2A	K2-6
C1880B	Cable		X	R-2A-T-21	K2-6
CRP 903	Panel		X	T-21	
1-IC-1	Valve (L.S.)	X		R-1	
1-IC-1	Local Cont. St.		X	R-2A	
C-1880-C	Cable		X	R-2A-R-1	No info.
1-IC-2	Valve (M.O.)		X	R-12	M01301-2 (D.C.)
C1881	Cable		X	R-12-R-2B	K1-42
DC-11A-1 Cu #5C	MCC		X	R-2B	
1-IC-2	Valve (L.S.)		X	R-12	
C1881A	Cable		X	R-12-R-2B	K2-6
C1881B	Cable		X	R-2B-T-21	K2-6
1-IC-2	Local Cont. St.		X	R-12	
C1881C	Cable		X	R-12-R-2B	No info.
1-IC-3	Valve (MO.)		X	R-19	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 880, 881, 882

COMPONENTS

PLANT I.D. No.	GENERIC NAME	LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1882	Cable		X	R-19-R-12	K1-33, K1-38
C1882A	Cable		X	R-19-R-2B	K2-6
1-IC-3	Valve (L.S.)		X	R-19	1301-3

SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 882, 883, 884

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1882B	Cable		X	T-21-R2B	K2-6	
1-IC-4	Valve (M.O.)	X		R-1	A.C.	
C1883	Cable	X		R1-R-2A	K1-28	
MCC (2-3) Comp 10C	Motor Cont. Ct.		X	R-2A		
C1883A	Cable		X	R-1-R-2A	K2-6	
1-IC-4	Valve (L.S.)	X		R-1		
C1883B	Cable		X	R-2A-T-21	K2-6	
C1883C	Cable		X	R-2A-R-12	No info	
1-IC-10	Valve (M.O.)		X	R-14	Make up	
C1884	Cable		X	R-14	K1-27	
MCC (2-1) Comp 2C	Motor Cont. Ct.		X	R-14		
C1884A	Cable		X	R-14	K2-4	
1-IC-10	Valve (L.S.)		X	R-14	1301-10	
C1884B	Cable		X	R-14-T-21	K2-4	
C1884C	Cable		X	R-14	K2-4	
TBX 188	Term. Box		X	R-14		
C1884G	Cable		X	R-14	K2-4	
LSL 1347C	Level Sw.		X	R-14		

SYSTEM: ISOLATION CONDENSER SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 882, 883, 884

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1884F	Cable		X	R-14	K2-4	
LSH1347B	Level Sw.		X	R-14		
C1884E	Cable		X	R-14	K2-4	
LSHH 1347A	Level Sw.		X	R-14		
C1886A	Cable		X	R-14	K10=5	
RTD 1346A	RTD		X	R-14		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

STANDBY LIQUID CONTROL SYSTEM



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: STANDBY LIQUID CONTROL SYSTEM

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 665-666

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1102A	Pump (Motor)		X	R13		
C1665	Cable		X	R13-R14		
C1665A	Cable		X	R13-R14		
C1665E	Cable		X	R13-R14		
C1665B	Cable		X	R14		
C1665C	Cable		X	R14-T21		
C1665F	Cable		X			
C1665D	Cable		X			
1106A	Explosive Valve		X			
1102B	Pump (Motor)		X	R13		
C1666	Cable		X	R13-R14		
C1666A	Cable		X	R13-R14		
C1666E	Cable		X	R13-R14		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: STANDBY LIQUID CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 666-667

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1666H	Cable		X	R14		
C1666C	Cable		X	R14-T21		
C1666F	Cable		X			
C1666D	Cable		X			
1106B	Explosive Valve		X			
2219	Rack		X	R13		
C1667A	Cable		X	R13-R14		
C1667B	Cable		X	R13		
1103	Thermistor		X	R13		
C1667	Cable		X	R13-14		
1'03	SLC Tank Htr.		X	R13		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: STANDBY LIQUID CONTROL SYSTEM

## EQUIPMENT:

25202 - Reference Dwg(s): 5202-31001 Sh. 668

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1155	Temp. Sw.		X	R13		
C1668M	Cable		X	R13-T21		
C1668K	Cable		X			
1101-1	Man Valve Limit Sw	X		R1		
C1668C	Cable		X			
C1668B	Cable		X	R14-T21		
C1668A	Cable		X	R14-T21		
C1668H	Cable		X			
C1668D	Cable		X	R13-T21		
1150	Press. Xmtr		X	R13-T21		
1156	Lev. Ind		X	R13		
1153	Lev. Xmtr		X	R13		
C1668E	Cable		X	R13-T21		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: STANDBY LIQUID CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 668

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1668I	Cable		X	T21		
C1668F	Cable		X	T21		
C1668J	Cable		X	T21		
C1668G	Cable		X	T21		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

REACTOR PROTECTIVE SYSTEM

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): SH585

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1585ARB	Cable		X	R-19 T-21	K1-33	
CRP 917	Panel		X	T-21		
Bus "B" 592-701	CB3B		X	R-19		
C1585BRB	Cable		X	R-2AT-21	K2-21	
302-82B	L. SW		X	R-2A		
C1585CRD	Cable		X	R-2A T-21	K2-21	
302-82D	L. SW		X	R-2A		
C1585DRB	Cable		X	R-2A T-21	K2-21	
47-503B	P. SW		X	R-2A		
C1585ERD	Cable		X	R-2A T-21	K2-21	
48-503D	P. SW		X	R-2A		
C1585FRB	Cable		X	R-2A T-21	K2-21	
203-2A	Valve Pos. SW		X	R-2A		
C1585GRB	Cable	X		R-1	K2-21	
203-1A	Valve Pos. SW	X		R-1		
C1585HRD	Cable		X	R-2A T-21	K2-21	
203-2D	Valve Pos. SW		X	R-2A		
X-100A	Penetration	X		R-1		
C1585JRD	Cable		X	R-2A T-21	K2-21	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): SH585

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
203-2D	Valve Pos. SW	X		R-1	
X-100B	Penetration	X		R-1	
C1585 SRB	Cable		X	R-2A T-21	K2-21
203-2C	Valve Pos. SW		X	R-2A	
C1585TRB	Cable	X		R-1	K2-21
203-1C	Valve Pos.		X	R-2A	



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): SH585-86-87

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1585URD	Cable		X	R-2A T-21	K2-21
203-2B	Valve Pos. SW	X		R-1	
C1585NRD	Cable	X		R-1	K2-21
203-1B	Valve Pos. SW		X	R-2A	
C1586NRB	Cable		X	R-19 - T-21	K2-21
C1586ARB	Cable		X	R-19 - T-21	K2-23
C1586PRD	Cable		X	R-19 - T-21	K2-21
C1586BRD	Cable		X	R-19	K2-22
C1586	Cable		X	T-21	K2-21
C1586DRD	Cable		X	T-21	K2-21
2205	Rack		X	R-19	
1621B	P. SW		X	R-19	
263-55B	P. SW		X	R-19	
263-55B	P. SW		X	R-19	
1621D	P. SW		X	R-19	
263-58D	P. SW		X	R-19	
263-58B	P. SW		X	R-19	
1705-02B	Rad. SW		X	T-21	
1705-02D	Rad. SW		X	T-21	
CRP 905	Panel		X	T-21	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): SH585-86-87

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1587LRB	Cable		X	T-21	K2-21	
CRP937	Panel		X	T-21		
2206	Rack		X	R-19		
C1587CRB	Cable		X	T-21	K2-21	
C1587MRD	Cable		X	T-21	K2-21	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-3J001 SH 587-88-89-90

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1587DRD	Cable		X	T-21	K2-21	
CRP #936	Panel		X	T-21		
C1587FRD	Cable		X	T-21	K2-21	
750-23B	IRM		X	T-21		
C1587NRD	Cable		X	T-21	K2-21	
C1587PRB	Cable		X	T-21	K2-21	
C1587ERB	Cable		X	T-21	K2-21	
750-23A	IRM		X	T-21		
C1587RRB	Cable		X	T-21	K2-21	
C1587ARB	Cable		X	T-21	K2-21	
C1587SRD	Cable		X	T-21	K2-21	
C1587BRD	Cable		X	T-21	K2-21	
C1588B	Cable		X	T-21	K2-21	
C1588C	Cable		X	T-21	K2-21	
CRP 916	Panel		X	T-21		
CPP 915	Panel		X	T-21		
C1589A-RD	Cable		X	T-21	K2-22	
C1589B-RB	Cable		X	T-21	K2-22	
CRP 905	Panel		X	T-21		

## MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-3J001 SH 587-88-89-90

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 936	Panel		X	T-21		
C1590A-MB	Cable		X	T-21		K2-23
C1590B-MB	Cable		X	T-21		K2-21
C1590C-MB	Cable		X	T-21		K2-21
C1590D-MB	Cable		X	T-21		K2-21
C1590E-MB	Cable		X	T-21		K2-22

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on 8

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 590-91-92

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1590FRD	Cable		X	R190T21	K2-21	
263-51B	P. SW		X	R-19		
C1590HRD	Cable		X	T-21	K2-21	
C1590JRB	Cable		X	T-21	K2-21	
C1591ARB	Cable		X	R19-T21	K2-41	
DC-11A-2	125V Dist. SW BD		X	R-A		
C1591CRB	Cable		X	R2A-T21	K2-41	
302-19B	Scram Valve		X	R-2A		
C1591DRB	Cable		X	T-21	K2-41	
C1591FMB	Cable		X	T-21	K2-41	
C1592PRA	Cable		X	T21-R2A	K2-2	
302-20B	Pilot Valve		X	R-2A		
C1592N	Cable		X	T-21	K1-15	
C1592M	Cable		X	T-21	K2-28	
C1592A	Cable		X	T-21	K2-7	
C1592AA	Cable		X	T-21	K2-7	
2209A	Panel		X	R-2A		
C1592AB	Cable		X	T-21	K2-2	
C1592B	Cable		X	R-2A	K2-2	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 590-91-92

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1592AC	Cable		X	R-2A	K2-2
C1592C	Cable		X	R-2A	K2-2
C1592AD	Cable		X	R-2A	K2-2
C1592D	Cable		X	R-2A	K2-2

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 592-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1592AE	Cable		X	R-2A	K2-2
C1592E	Cable		X	R-2A	K2-2
C1592AF	Cable		X	R-2A	K2-2
C1592F	Cable		X	R-2A	K2-2
C1592AG	Cable		X	R-2A	K2-2
C1592G	Cable		X	R-2A	K2-2
C1592AH	Cable		X	R-2A	K2-2
C1592H	Cable		X	R-2A	K2-2
C1592AJ	Cable		X	R-2A	K2-2
C1592J	Cable		X	R-2A	K2-2
C1592AK	Cable		X	R-2A	K2-2
C1592K	Cable		X	R-2A	K2-2
C1592AL	Cable		X	R-2A	K2-2
C1592L	Cable		X	K-2A	K2-2
590-742 (02-23)	Diode & SOV		X		
30J-118 (22-51)	Diode & SOV		X		
590-742 (02-27)	Diode & SOV		X		
305-118 (22-47)	Diode & SOV		X		
590-742 (02-39)	Diode & SOV		X		



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 592-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
305-118 (22-35)	Diode & SOV		X			
590-742 (06-15)	Diode & SOV		X			
305-118 (22-31)	Diode & SOV		X			
590-742 (06-19)	Diode & SOV		X			
305-118 (22-19)	Diode & SOV		X			
590-742 (06-31)	Diode & SOV		X			
305-118 (27-15)	Diode & SOV		X			
590-742 (06-35)	Diode & SOV		X			
305-118 (22-03)	Diode & SOV		X			
590-742 18-07	Diode & SOV		X			
305-118 18-43	Diode & SOV		X			
590-742 18-11	Diode & SOV		X			
305-118 18-39	Diode & SOV		X			
590-742 (18-23)	Diode & SOV		X			
305-118 (18-27)	Diode & SOV		X			

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH - 593

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1593A	Cable		Z	T21-R2D	K2-7	
C1593AA	Cable		X	T21-R2D	K2-7	
C1593M	Cable		X	T-21	K1-38	
C1593AB	Cable		X	R-2D	K2-2	
C1593B	Cable		X	R-2D	K2-2	
C1593AC	Cable		X	R-2D	K2-2	
C1593C	Cable		X	R-2D	K2-2	
C1593AD	Cable		X	R-2D	K2-2	
C1593D	Cable		X	R-2D	K2-2	
C1593AE	Cable		X	R-2D	K2-2	
C1593E	Cable		X	R-2D	K2-2	
C1593AF	Cable		X	R-2D	K2-2	
C1593F	Cable		X	R-2D	K2-2	
C1593AG	Cable		X	R-2D	K2-2	
C1593G	Cable		X	R-2D	K2-2	
C1593AH	Cable		X	R-2D	K2-2	
C1593H	Cable		X	R-2D	K2-2	
C1593AJ	Cable		X	R-2D	K2-2	
C1593J	Cable		X	R-2D	K2-2	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH - 593

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
590-742B (34-07)	Diode		X	R-2D	
305-118 (34-07)	Valve Sol.		X	R-2D	
590-742B (50-39)	Diode		X	R-2D	
305-118 (50-39)	Valve Sol.		X	R-2D	
590-742B (34-11)	Diode		X	R-2D	
305-118 (34-11)	Valve Sol.		X	R-2D	
590-742B (50-27)	Diode		X	R-2D	
305-118 (50-27)	Valve Sol.		X	R-2D	
590-742B (34-23)	Diode		X	R-2D	
305-118 (34-23)	Valve Sol.		X	R-2D	
590-742B (50-23)	Diode		X	R-2D	
305-118 (50-23)	Valve Sol.		X	R-2D	
590-742B (34-27)	Diode		X	R-2D	
305-118 (34-27)	Valve Sol.		X	R-2D	
590-742B (38-51)	Diode		X	R-2D	
305-118 (38-51)	Valve Sol.		X	R-2D	
590-742B (34-39)	Diode		X	R-2D	
305-118 (34-39)	Valve Sol.		X	R-2D	
305-118 (34-39)	Valve Sol.		X	R-2D	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 593-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
590-742B (38-47)	Diode		X	R-2D		
305-118 (38-47)	Valve Sol.		X	R-2D		
590-742B (34-43)	Diode		X	R-2D		
305-118 (34-43)	Valve Sol.		X	R-2D		
590-742B (38-35)	Diode		X	R-2D		
305-118 (38-35)	Valve So.		X	R-2D		
590-742B (38-03)	Diode		X	R-2D		
305-118 (38-03)	Valve Sol.		X	R-2D		
590-742B (38-31)	Diode		X	R-2D		
305-118 (38-31)	Valve Sol.		X	R-2D		
590-742B (38-15)	Diode		X	R-2D		
305-118 (38-15)	Valve Sol.		X	R-2D		
590-742B (38-19)	Diode		X	R-2D		
305-118 (38-19)	Valve Sol.		X	R-2D		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH - 594

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1594A	Cable		X	T21-R2D	K2-7
C1594AA	Cable		X	T21-R2D	K2-7
C1594K	Cable		X	T21-R2D	K1-38
C1594B	Cable		X	R-2A	K2-2
C1594AB	Cable		X	R-2A	K2-2
C1594AC	Cable		X	R-2A	K2-2
C1594C	Cable		X	R-2A	K2-2
C1594AD	Cable		X	R-2A	K2-2
C1594D	Cable		X	R-2A	K2-2
C1594AE	Cable		X	R-2A	K2-2
C1594E	Cable		X	R-2A	K2-2
C1594AF	Cable		X	R-2A	K2-2
C1594F	Cable		X	R-2A	K2-2
C1594AG	Cable		X	R-2A	K2-2
C1594G	Cable		X	R-2A	K2-2
C1594AH	Cable		X	R-2A	K2-2
C1594H	Cable		X	R-2A	K2-2
C1594AJ	Cable		X	R-2A	K2-2
C1594J	Cable		X	R-2A	K2-2

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH - 594

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	Misc.
C1594L	Cable		X	R-2A	K2-2
590-742B (02-15)	Diode		X	R-2A	
305-118 (02-15)	Valve Sol.		X	R-2A	
590-742B (18-51)	Diode		X	R-2A	
305-118 (18-51)	Valve Sol.		X	R-2A	
590-742B (02-19)	Diode		X	R-2A	
305-118 (02-19)	Valve Sol.		X	R-2A	
590-742B (18-47)	Diode		X	R-2A	
305-118 (18-47)	Valve Sol.		X	R-2A	
590-742B (02-31)	Diode		X	R-2A	
305-118 (02-31)	Valve Sol.		X	R-2A	
590-742B (18-35)	Diode		X	R-2A	
305-118 (18-35)	Valve Sol.		X	R-2A	
590-742B (02-35)	Diode		X	R-2A	
305-118 (02-35)	Valve Sol.		X	R-2A	
590-742B (18-31)	Diode		X	R-2A	
305-118 (18-31)	Valve Sol.		X	R-2A	
590-742B (14-07)	Diode		X	R-2A	
305-118 (14-07)	Valve Sol.		X	R-2A	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH - 594

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
590-742B (18-19)	Diode		X	R-2A		
305-118 (18-19)	Valve Sol.		X	R-2A		
590-742B (14-11)	Diode		X	R-2A		
305-118 (14-11)	Valve Sol.		X	R-2A		
590-742B (18-15)	Diode		X	R-2A		
305-118 (18-15)	Valve Sol.		X	R-2A		



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH-594-95

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
590-742B (14-23)	Diode		X	R-2A	
350-118 (14-23)	Valve Sol.		X	R-2A	
590-742B (18-03)	Diode		X	R-2A	
305-118 (18-03)	Valve Sol.		X	R-2A	
590-742B (14-27)	Diode		X	R-2A	
305-118 (14-27)	Valve Sol.		X	R-2A	
590-742B (14-43)	Diode		X	R-2A	
305-118 (14-43)	Valve Sol.		X	R-2A	
590-742B (14-39)	Diode		X	R-2A	
305-118 (14-39)	Valve Sol.		X	R-2A	
C1595A	Cable		X	T21-R2D	K2-7
C1595AA	Cable		X	T21-R2D	K2-7
C1595N	Cable		X	T21-R2D	K2-38
C1595AB	Cable		X	R2D	K2-2
C1595B	Cable		X	R2D	K2-2
C1595AC	Cable		X	R2D	K2-2
C1595C	Cable		X	R2D	K2-2
C1595AD	Cable		X	R2D	K2-2
C1595D	Cable		X	R2D	K2-2

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH-594-95

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1595AE	Cable		X	R2D	K2-2	
C1595E	Cable		X	R2D	K2-2	
C1595AF	Cable		X	R2D	K2-2	
C1595F	Cable		X	R2D	K2-2	
C1595AG	Cable		X	R2D	K2-2	
C1595G	Cable		X	R2D	K2-2	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 595-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LCCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1595AH	Cable		X	R2D	K2-2	
C1595H	Cable		X	R2D	K2-2	
C1595AJ	Cable		X	R2D	K2-2	
C1595J	Cable		X	R2D	K2-2	
C1595AK	Cable		X	R2D	K2-2	
C1595K	Cable		X	R2D	K2-2	
C1595AL	Cable		X	R2D	K2-2	
C1595L	Cable		X	R2D	K2-2	
C1595AM	Cable		X	R2D	K2-2	
C1595M	Cable		X	R2D	K2-2	
30-07	Diode & SOV		X	R2D		
50-35	Diode & SOV		X	R2D		
30-11	Diode & SOV		X	R2D		
50-31	Diode & SOV		X	R2D		
30-23	Diode & SOV		X	R2D		
50-19	Diode & SOV		X	R2D		
30-27	Diode & SOV		X	R2D		
50-15	Diode & SOV		X	R2D		
30-39	Diode & SOV		X	R2D		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 595-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
46-43	Diode & SOV		X	R2D		
30-43	Diode & SOV		X	R2D		
46-39	Diode & SOV		X	R2D		
34-03	Diode & SOV		X	R2D		
46-27	Diode & SOV		X	R2D		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 595-96

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
34-15	Diode & SOV		X	R2D	
46-23	Diode & SOV		X	R2D	
34-19	Diode & SOV		X	R2D	
46-11	Diode & SOV		X	R2D	
34-31	Diode & SOV		X	R2D	
34-51	Diode & SOV		X	R2D	
34-35	Diode & SOV		X	R2D	
34-47	Diode & SOV		X		
C1596A	Cable		X	T21-R2A	K2-7
C1596AA	Cable		X	T21-R2A	K2-7
C1596N	Cable		X	T21-R2A	K1-38
C1596AB	Cable		X	R2A	K2-2
C1596B	Cable		X	R2A	K2-2
C1596AC	Cable		X	R2A	K2-2
C1596C	Cable		X	R2A	K2-2
C1596AD	Cable		X	R2A	K. 2
C1596D	Cable		X	R2A	K2-2
C1596AE	Cable		X	R2A	K2-2
C1596E	Cable		X	R2A	K2-2

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 595-96

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1596AF	Cable		X	R2A	K2-2	
C1596F	Cable		X	R2A	K2-2	
C1596AG	Cable		X	R2A	K2-2	
C1596G	Cable		X	R2A	K2-2	
C1596AH	Cable		X	R2A	K2-2	
C1596H	Cable		X	R2A	K2-2	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 596

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1596AJ	Cable		X	R2A	K2-2	
C1596J	Cable		X	R2A	K2-2	
C1596AK	Cable		X	R2A	K2-2	
C1596K	Cable		X	R2A	K2-2	
C1596L	Cable		X	R2A	K2-2	
590-742 06-11	Diode & SOV		X	R2A		
305-118 26-47	Diode & SOV		X	R2A		
305-118 06-23	Diode & SOV		X	R2A		
305-118 26-31	Diode & SOV		X	R2A		
305-118 06-27	Diode & SOV		X	R2A		
305-118 26-15	Diode & SOV		X	R2A		
305-118 06-39	Diode & SOV		X	R2A		
305-118 22-43	Diode & SOV		X	R2A		
305-118 06-43	Diode & SOV		X	R2A		
305-118 22-39	Diode & SOV		X	R2A		
305-118 10-15	Diode & SOV		X	R2A		
305-118 22-27	Diode & SOV		X	R2A		
305-118 10-19	Diode & SOV		X	R2A		
305-118 22-23	Diode & SOV		X	R2A		



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 596

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
305-118 10-31	Diode & SOV		X	R2A	
305-118 22-11	Diode & SOV		X	R2A	
305-118 10-35	Diode & SOV		X	R2A	
305-118 22-07	Diode & SOV		X	R2A	
305-118 10-47	Diode & SOV		X	R2A	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 597 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	Misc.
C1597A	Cable		X	T21-R2D	K2-7
C1597AA	Cable		X	T21-R2D	K2-7
C1597K	Cable		X	T21-R2D	K1-38
C1597AB	Cable		X	T21-R2D	K2-2
C1597B	Cable		X	R2D	K2-2
C1597AC	Cable		X	R2D	K2-2
C1597C	Cable		X	R2D	K2-2
C1597AD	Cable		X	R2D	K2-2
C1597D	Cable		X	R2D	K2-2
C1597AE	Cable		X	R2D	K2-2
C1597E	Cable		X	R2D	K2-2
C1597AF	Cable		X	R2D	K2-2
C1597F	Cable		X	R2D	K2-2
C1597AG	Cable		X	R2D	K2-2
C1597G	Cable		X	R2D	K2-2
C1597AH	Cable		X	R2D	K2-2
C1597H	Cable		X	R2D	K2-2
C1597J	Cable		X	R2D	K2-2
590-742B 26-03	Diode & SOV		X	R2D	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-001 SH 597 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
305-118 42-47	Diode & SOV		X	R2D	
590-742B 26-19	Diode & SOV		X	R2D	
305-118 42-35	Diode & SOV		X	R2D	
590-742B 26-35	Diode & SOV		X	R2D	
305-118 42-31	Diode & SOV		X	R2D	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 597-98

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
590-742B 26-51	Diode & SOV		X	R2D		
305-118 42-19	Diode & SOV		X	R2D		
590-742B 38-07	Diode & SOV		X	R2D		
305-118 42-15	Diode & SOV		X	R2D		
590-742B 38-11	Diode & SOV		X	R2D		
305-118 38-43	Diode & SOV		X	R2D		
590-742B 38-23	Diode & SOV		X	R2D		
305-118 38-39	Diode & SOV		X	R2D		
590-742B 38-27	Diode & SOV		X	R2D		
C1598	Cable		X	T21-R2A	K2-7	
C1598AA	Cable		X	T21-R2A	K2-7	
C1598K	Cable		X	T21-R2A	K1-38	
C1598AB	Cable		X	R2A	K2-2	
C1598B	Cable		X	R2A	K2-2	
C1598AC	Cable		X	R2A	K2-2	
C1598C	Cable		X	R2A	K2-2	
C1598AD	Cable		X	R2A	K2-2	
C1598D	Cable		X	R2A	K2-2	
C1598AE	Cable		X	R2A	K2-2	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 597-98

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1598E	Cable		X	R2A	K2-2	
C1598AF	Cable		X	R2A	K2-2	
C1598F	Cable		X	R2A	K2-2	
C1598AG	Cable		X	R2A	K2-2	
C1598G	Cable		X	R2A	K2-2	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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25202 - Reference Dwg(s): 25202-31001 SH 598 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1598AH	Cable		X	R2A	K2-2
C1598H	Cable		X	R2A	K2-2
C1598AJ	Cable		X	R2A	K2-2
C1598J	Cable		X	R2A	K2-2
590-742B 10-07	Diode & SOV		X	R2A	
305-118 26-39	Diode & SOV		X	R2A	
305-118 10-11	Diode & SOV		X	R2A	
305-118 26-23	Diode & SOV		X	R2A	
305-118 10-23	Diode & SOV		X	R2A	
305-118 26-07	Diode & SOV		X	R2A	
305-118 10-27	Diode & SOV		X	R2A	
305-118 14-51	Diode & SOV		X	R2A	
305-118 10-39	Diode & SOV		X	R2A	
305-118 14-47	Diode & SOV		X	R2A	
305-118 19-43	Diode & SOV		X	R2A	
305-118 14-35	Diode & SOV		X	R2A	
305-118 14-03	Diode & SOV		X	R2A	
305-118 14-31	Diode & SOV		X	R2A	
590-742B 14-15	Diode & SOV		X	R2A	
305-118 14-19	Diode & SOV		X	R2A	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 599 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1599A	Cable		X	T21-R2D	K2-7	
C1599AA	Cable		X	T21-R2D	D2-7	
C1599K	Cable		X	T21-R2D	K1-38	
C1599AB	Cable		X	R2D	K2-2	
C1599B	Cable		X	R2D	K2-2	
C1599AC	Cable		X	R2D	K2-2	
C1599C	Cable		X	R2D	K2-2	
C1599AD	Cable		X	R2D	K2-2	
C1599D	Cable		X	R2D	K2-2	
C1599AE	Cable		X	R2D	K2-2	
C1599E	Cable		X	R2D	K2-2	
C1599AF	Cable		X	R2D	K2-2	
C1599F	Cable		X	R2D	K2-2	
C1599AG	Cable		X	R2D	K2-2	
C1599G	Cable		X	R2D	K2-2	
C1599AH	Cable		X	R2D	K2-2	
C1599H	Cable		X	R2D	K2-2	
C1599AJ	Cable		X	R2D	K2-2	
C1599J	Cable		X	R2D	K2-2	



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 599 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	COMPONENT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1599AL	Cable		X	R2D	K2-2
C1599L	Cable		X	R2D	K2-2
C1599AM	Cable		X	R2D	K2-2
C1599M	Cable		X	R2D	K2-2
590-742B 26-11	Diode & SOV		X	R2D	
305-118 46-35	Diode & SOV		X	R2D	
305-118 26-27	Diode & SOV		X	R2D	
305-118 46-31	Diode & SOV		X	R2D	
305-118 26-43	Diode & SOV		X	R2D	
305-118 46-19	Diode & SOV		X	R2D	
305-118 30-03	Diode & SOV		X	R2D	
305-118 46-15	Diode & SOV		X	R2D	
305-118 30-15	Diode & SOV		X	R2D	
305-118 42-43	Diode & SOV		X	R2D	
305-118 30-19	Diode & SOV		X	R2D	
305-118 42-39	Diode & SOV		X	R2D	
305-118 30-31	Diode & SOV		X	R2D	
305-118 42-27	Diode & SOV		X	R2D	
305-118 30-35	Diode & SOV		X	R2D	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 599 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
305-118 42-23	Diode & SOV		X	R2D	
305-118 30-47	Diode & SOV		X	R2D	
305-118 42-11	Diode & SOV		X	R2D	
590-742B 30-51	Diode & SOV		X	R2D	
305-118 42-07	Diode & SOV		X	R2D	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 600

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1600ARB	Cable		X	T21-R2D	K2-21	
BVCS-6	IOS-SW		X	R2D		
5385-224	Valve Encl. #1		X	R2D		
5385-225	Valve Encl. #2		X	R2D		
C1600BRD	Cable		X	T21-R2D	K2-21	
BVCS-5	POS-SW		X	R2D		
C1500CRB	Cable		X	T21-R2D	K2-21	
5385-207 (39B)	PS		X	R2D		
C1600DRD	Cable		X	T21-R2D	K2-21	
5385-207 (40D)	PS		X	R2D		
C1600ERB	Cable		X	T21-T14	K2-21	
2285-504B	Turb. Press.		X	T14		
C1600 FRD	Cable		X	T21-T14	K2-21	
2285-504D	Turb. Press.		X	T14		
2285	Rack		X	T14		
C1600GRB	Cable		X	T21-T14	K2-21	
SV-1	Valve Pos SW		X	T14		
C1500JRD	Cable		X	T21-T14	K2-21	
SV-2	Valve Pos Sw		X	T14		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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25202 - Reference Dwg(s): 25202-31001 SH 600

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1600HRB	Cable		X	T21-T14	K2-21	
SV-3	Valve Pos SW		X	T14		
C1600KRD	Cable		X	T21-T14	K2-21	
SV-4	Valve Pos W		X	T14		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 605-610

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1605A	Cable		X	T19C-R19	K1-14	
MCC #2-5	Compt #1H		X	T-19C		
RPMG-1	PPS MG Set		X	R-19		
510-A	Local Panel		X	R-19		
C1605CRA	Cable		X	R-19	K1-41	
C1605C	Cable		X	T21-R19	K1-22	
C1605E	Cable		X	T19C-R19	K1-41	
C1605F	Cable		X	T19C-R19	K1-41	
MCC #2-4	Compt #4C		X	T-5C		
IRP-1	SWB'D		X	R-19		
C1605DRB	Cable		X	R-19	Ki-41	
Local 592-701	MG Set Dist. Pan.		X	R-19		
C1605B	Cable		X	T19C-R19	K1-14	
MCC #2A-5	Compt #1C		X	T-19C		
510B	Local Panel		X	R-19		
RPMG-1A	RPS MG Set		X	R-19		
C1605DRB	Cable		X	R-19	K1-41	
2256	Rack		X	R-2A		
C1610AARA	Cable		X	T21-T1	K2-21	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 605-610

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
261-30A	PS		X	T-1		
C1610ABRC	Cable		X	T21-T1	K2-21	
261-30C	PS		X	T-1		
263-57A	LS		X	R-19		
263-58A	LS		X	R-19		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 610 -

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1610ARA	Cable		X	R19-T21	K2-21	
C1610BRC	Cable		X	R19-T21	K2-21	
C1610ORRA	Cable		X	T21-R4	K2-21	
261-16A	TS		X	R-4		
C1610TRA	Cable		X	T21-R4	K2-21	
261-18A	TS		X	R-4		
C1610PRA	Cable		X	T21-R4	K2-21	
261-15A	TS		X	R-4		
C1610SRA	Cable		X	T21-R4	K2-21	
261-17A	TS		X	R-4		
C1610URC	Cable		X	T21-R4	K2-21	
261-15C	TS		X	R-4		
C1610WRC	Cable		X	T21-R4	K2-21	
261-17C	TS		X	R-4		
C1610VRC	Cable		X	T21-R4	K2-21	
261-16C	TS		X	R-4		
C1610XRC	Cable		X	T21-R4	K2-21	
261-18C	TS		X	R-4		
C1610ERA	Cable		X	T21-R2A	K2-21	
C1610FRC	Cable		X	T21-R2A	K2-21	



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 611

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1611AGRB	Cable		X	T21-T-19A	K1-38	
C1611AARB	Cable		X	T21-R4	K2-21	
261-30B	PS		X	R-4		
C1611ABRD	Cable		X	T21-R4	K2-21	
261-30D	PS		X	R-4		
C1611ARB	Cable		X	T21-R19	K2-21	
263-57B	LS		X	R-19		
C1611BRD	Cable		X	T21-R19	K2-21	
263-58B	LS		X	R-19		
C1611RRB	Cable		X	T21-R4	K2-21	
261-16B	TS		X	R-4		
C1611TRB	Cable		X	T21-R4	K2-21	
261-18B	TS		X	R-4		
C1611PRB	Cable		X	T21-R4	K2-21	
261-15B	TS		X	R-4		
C1611SR3	Cable		X	T21-R4	K2-21	
261-17B	TS		X	R-4		
C1611URD	Cable		X	T21-R4	K2-21	
261-15D	TS		X	R-4		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 611

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1611WRD	Cable		X	T21-R4	K2-21	
261-17D	TS		X	R-4		
C1611VRD	Cable		X	T21-R4	K2-21	
261-16D	TS			R-4		
C1611XRD	Cable		X	T21-R4	K2-21	
261-18D	TS		X	R-4		
C1611ERB	Cable		X	T21-R2A	K2-21	
C1611FRD	Cable		X	T21-R2A	K2-21	
2257-1349A	dPIS		X	R-2B		
2257-1350A	dPIS		X	R-2B		
2257	Rack		X	R-2B		
C1612C-51A	Cable		X	T21-R2B	K2-2	
2205	Rack		X	R-19		
263-53A	PS		X	R-19		
C1612ESIA	Cable		X	T21-R19	K2-2	
263-53B	PS		X	R-19		
C1612FSI	Cable		X	T21-R19	K2-2	
263-53C	PS		X	R-19		
C1612GSIA	Cable		X	T21-B19	K2-2	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 611

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
263-53D	PS		X	R-19		
C1612HSIA	Cable		X	T21-R19	K2-2	
C1612DSI	Cable		X	T21-R2B	K2-2	
2257-1350B	dPIS		X	R-2B		
2257-1349B	dPIS		X	R-2B		
C1612J	Cable		X	T21-T1	K2-2	
B-153	Box			T-1		
C1612L	Cable	X		T1-R1	K2-2	
B-181	Box	X		T-1		
C1612T	Cable	X		R-1	K2-2	
C1612V	Cable	X		R-1	K2-2	
1301-4	LS	X		R-1		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 612-13-14

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1301-1	LS	X		K-1	
X-103	Penetration	X		R-1	
C1612N	Cable		X	T-1	K2-2
1301-3	LS		X	T-1	
C1612R	Cable		X	T-1	K2-2
1301-2	LS		X	T-1	
C1613A-52	Cable		X	T-21	K2-2
C1613B-52	Cable		X	T-21	K2-2
C1613C-52	Cable		X	T-21	K2-2
C1613D-51	Cable		X	T-21	K2-2
C1613E-51	Cable		X	T-21	K2-2
CRP #904	Panel		X	T-21	
CRP #918	Panel		X	T-21	
C1614K-52	Cable		X	T21-R12	K2-2
2253-1291-14	PS		X	R-13	
C1614A-51	Cable		X	R21-R12	K2-2
2253-1291-13	PS		X	R-12	
C1614N-51	Cable		X	R-12	K10-1
TE1291-12	Thermistor		X	R-12	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 612-13-14

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1614P-51	Cable		X	R-12	K10-1	
TE1291-4	Thermistor		X	R-12		
C1614R-52	Cable		X	T-21	K2-2	
C1614B-51	Cable		X	T-21	K2-2	
C1614L-52	Cable		X	T-21	K2-2	
C1614M-52	Cable		X	T-21	K2-2	
2253	Rack		X	R-12		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 614-15-16-17

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1614C-51	Cable		X	T-21	K2-2	
C1614-51	Cable		X	T-21	K2-2	
C1614G-51	Cable		X	T21-R12	K2-2	
1207-26A	Valve Pos.		X	R-12		
C1614F-51	Cable		X	R-12	K2-2	
TBX #182	TBX Box		X	R-12		
1207-2-53A	FS		X	R-12		
C1614HSI	Cable		X	R-12	K2-2	
1207-2-53B	FS		X	R-12		
1207-26B	Valve Pos.		X	R-12		
MCC #2-3	Compt #6B		X	T-19F		
C1615A	Cable		X	T-19E	K1-27	
9 KVA Transf.	480-120V/208V		X	T-19E		
2214	Rack		X	R-2A		
IAC-1	Inst. SWBD		X	T-5C		
C1615B	Cable		X	R-2A	K1-30	
C1615C	Cable		X	R-2A	K2-3	
C1616A	Cable		X	R-2A	K2-4	
C1617	Cable	X	X	R-1	K2-28	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 SH 614-15-16-17

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
X-103	Penetration	X		R-1	
Motor Mod #3	SRM CH 21	X		R-1	
C1617A	Cable	X	X	R-2A	K2-7
C1617B	Cable		X	R-2A	K2-3



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 618-19-20-21-22-23

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1618	Cable	X	X	T-1	K2-23
#9-Ch. 3	Motor Module	X		T-1	
X-104D	Penetration	X		T-1	
C1618 A	Cable	X	X	T-1	K2-7
C1618 B	Cable		X	R-2A	K2-3
C1619	Cable	X	X	T-1	K2-23
#11-Ch. 22	Motor Module	X		T-1	
C1619 A	Cable	X	X	T-1	K2-7
C1619 B	Cable		X	R-2A	K2-3
C1620	Cable	X	X	T-1	
#6-Ch. 24	Motor Module			T-1	
C1620 A	Cable	X	X	T-1	K2-7
C1620 B ;	Cable		X	R3	K2-3
C1621	Cable	X	X	T-1	K2-23
#10-Ch-11	Motor Module	X		T-1	
C1621 A	Cable	X	X	T-1	K2-7
C1621 B	Cable		X	R-2A	K2-3
C1622	Cable	X	X	T-1	K2-23
#1-Ch. 15	Motor Module	X		T-1	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 618-19-21-22-23

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1622 A	Cable	X	X	T-1	K2-7
C1622 B	Cable		X	R-3	K2-3
C1623	Cable	X	X	T-1	K2-23
#12 Ch. 12	Motor Module	X		T-1	
C1623 A	Cable	X	X	T-1	K2-7
C1623 B	Cable		X	R-2A	K2-3

SYSTEM: 4PS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh 624-25-26-27-28

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1624	Cable	X	X	T-1	K2-23	
#2-Ch. 16	Motor Module	X		T-1		
C1624 A	Cable	X	X	T-1	K2-7	
C1624 B	Cable		X	T-2A	K2-3	
C1625	Cable	X	X	T-1	K2-23	
#5-Ch. 15	Motor Module	X		T-1		
C1625 A	Cable	X	X	T-1	R2-7	
C1625 B	Cable		X	T-2A	K2-3	
C1626	Cable	X	X	T-1	K2-23	
#8-Ch. 17	Motor Module	X		T-1		
C1626 A	Cable	X	X	T-1	K2-7	
C1626 B	Cable		X	T-2A	K2-3	
C1627	Cable	X	X	T-1	K2-23	
#4-Ch. 14	Motor Module	X		T-1		
C1627 A	Cable	X	X	T-1	K2-7	
C1727 B	Cable		X	T-2A	K2-3	
C1738	Cable	X	X	T-1	K2-23	
#7 Ch. 18	Motor Module	X		T-1		
C1628 A	Cable	X	X	T-1	K2-7	
C1628 B	Cable		X	T-2A	K2-3	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 630

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
X-104E	Penetrations	X		R-1	
752 D	Pre-Amp		X	R-2A	
C1630 H RD	Cable		X	R-2A	K7-7
C1630 S RD	Cable		X	R-2A	K7-3
C1630 M RD	Cable		X	R-2A	K7-3
751 B	Detector			R-1	
C1630 B RB	Cable	X		R-1	
X-106 A	Penetration	X		R-1	
752 B	Pre-Amp		X	R-2A	
C1630 F RB	Cable	X		R-1	
C1630 P RB	Cable		X	R-2A	
C1630 K RB	Cable		X	R-2A	
24V DC #1	Panel		X	T-19A	
24V DC #1A	Panel		X	T-19A	
750-1A	SRM		X	T-21	
750-1C	SRM		X	T-21	
750-1D	SRM		X	T-21	
750-1B	SRM		X	T-21	
C1630 AA	Cable			T-21	K10-1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 630

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1630 AE	Cable		X	T-21	K10-1
C1630 AJ	Cable		X	T-21	K10-1
C1630 AL	Cable		X	T-21	K10-1
C1630 AC	Cable		X	T-21	K10-1
C1630 AG	Cable		X	T-21	K10-1
C1630 AD	Cable		X	T-21	K10-1
C1630 AH	Cable		X	T-21	K10-1
C1630 AM	Cable		X	T-21	K10-1
C1630 AK	Cable		X	T-21	K10-1
C1630 AB	Cable		X	T-21	K10-1
C1630 AF	Cable		X	T-21	K10-1

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 630

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1630 A RA	Cable	X		R-1	K7-6 RG-216 A/U
751A	Detector	X		R-1	GE
X-108A	Penetrations	X		R-1	
2227A	Rack		X	R-2A	
752A	Pre-Amp		X	R-2A	GE
C1630 E RA	Cable		X	R-2A	K7-7 RG6 A/U
C1630 J RA	Cable		X	R-2A	K7-3 RG59 B/U
C1630 N RA	Cable		X	R-2A	K7-3 RG59 B/U
751C	Detector	X		R-1	GE
C1630 C RC	Cable	X		R-1	K7-6
2227B	Rack		X	R-2A	
752C	Pre-Amp		X	R-2A	
C1630 G RC	Cable		X	R-2A	K7-7
C1630 R RC	Cable		X	R-2A	K7-3
C1630 L RC	Cable		X	R-2A	K7-3
C1630 AN RA	Cable		X	T-19A	K1-18
C1630 AP RB	Cable		X	T-19A	K1-18
751 D	Detector	X		R-1	
C1630 D RD	Cable	X		R-1	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 632

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
760 A	Detector	X		R-1	GE
C1632 A RA	Cable	X	X	R-1	K7-8 RG114 A/U
762 A	Pre-Amp		X	R-2A	GE
C1632 N RA	Cable		X	R-2A	K2-24
C1632 E RA	Cable		X	R-2A	K7-7
C1632 J RA	Cable		X	R-2A	K7-3
C1632 T RA	Cable		X	T-21	K6-2
760 E	Detector	X		R-1	GE
C1632 C RA	Cable	X	X	R-1	K7-8
762 E	Pre-Amp		X	R-2A	
C1632 R RA	Cable		X	R-2A	
C1632 G RA	Cable		X	R-2A	
C1632 L RA	Cable		X	R-2A	
C1632 V RA	Cable		X	T-21	
750-18A	Channel 11 SW		X	T-21	GE
750-18E	Channel 13 SW		X	T-21	GE
760 B	Detector	X		R-1	
C1632 F RB	Cable	X		R-1	
762 B	Pre-Amp.		X	R-2A	



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 632

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1632 P RB	Cable		X	R-2A		
C1632 F RB	Cable		X	R-2A		
C1632 K RB	Cable		X	R-2A		
C1632 U RB	Cable		X	T-21		
750-18B	Channel 15 SW		X	T-21		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 632-33

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
760 F	Detector	X		R-1	
C1632-D-RB	Cable	X		R-1	
762 F	Pre-Amp		X	R-2A	
C1632 S-RB	Cable		X	R-2A	
C1632 H-RB	Cable		X	R-2A	
C1632 M-RB	Cable		X	R-2A	
C1632 W-RB	Cable		X	T-21	
750 18F	Channel 17 SW		X	T-21	
750-7A	IRM		X	T-21	GE
750-7B	IRM		X	T-21	GE
750-7B	IRM		X	T-21	GE
750-7F	IRM		X	T-21	GE
760-C	Detector	X		R-1	
X-100D	Penetration	X		R-1	
C1633 A-RC	Cable	X		R-1	
762 C	Pre-Amp		X	R-2A	
C1633 N-RC	Cable		X	R-2A	
C1633 J-RC	Cable		X	R-2A	
C1633 E-RC	Cable		X	R-2A	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 362-33

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
750-7C	IRM		X	T-21	
C1633 T-RC	Cable		X	T-21	
750-18C	Range SW		X	T-21	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 633

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
760 G	Detector	X		R-1		
C1633 C-RC	Cable	X		R-1		
762 G	V. Pre-Amp		X	R-2A		
C1633 R-RC	Cable		X	R-2A		
C1633 L-RC	Cable		X	R-2A		
C1633 G-RC	Cable		X	R-2A		
750-7G	IRM		X	T-21		
C1633 V-RC	Cable		X	T-21		
750-18G	Range SW		X	T-21		
760 D	Detector	X		R-1		
C1633 B-RD	Cable	X		R-1		
762 D	V. Pre-Amp		X	R-2A		
C1633 P-RD	Cable		X	R-2A		
C1633 K-RD	Cable		X	R-2A		
C1633 F-RD	Cable		X	R-2A		
750-7D	IRM		X	T-21		
C1633 U-RD	Cable		X	T-21		
750-18D	Range SW		X	T-21		
760 H	Detector	X		R-1		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 633

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1633 D-RD	Cable	X		R-1		
762 H	V. Pre-Amp		X	R-2A		
C1633 S-RD	Cable		X	R-2A		
C1633 M-RD	Cable		X	R-2A		
C1633 H-RD	Cable		X	R-2A		
750-7H	IRM		X	T-21		

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 633-34

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1633 W-RD	Cable		X	T-21		
750-18H	Range SW		X	T-21		
C1634 A	Cable		X	T-21	K2-6	
C1634 E-RA	Cable			T-21	K2-23	
C1634 B	Cable		X	T-21	K2-6	
C1634 F-RB	Cable		X	T-21	K2-23	
750-23A	IRM Aux Unit		X	T-21	GE	
C1634 C	Cable		X	T-21		
C1634 G-RC	Cable		X	T-21		
C1634 D	Cable		X	T-21		
C1634 H-RD	Cable		X	T-21		
750-23B	IRM. Aux Unit		X	T-21		
750-10A	Recorder		X	T-21		
750-10C	Recorder		X	T-21		
C1635 E	Cable		X	T-21	K10-1	
C1635 F	Cable		X	T-21	K10-1	
C1635 G	Cable		X	T-21	K10-1	
C1635 H	Cable		X	T-21	K10-1	
C1635 A	Cable		X	T-21	K10-1	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 633-34

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1635 B	Cable		X	T-21	K10-1	
C1635 C	Cable		X	T-21	K10-1	
C1635 D	Cable		X	T-21	K10-1	
C1635 J	Cable		X	T-21	K10-1	
C1635 K	Cable		X	T-21	K10-1	
C1635 L	Cable		X	T-21	K10-1	



SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 635-36-37

PLANT I.D. No.	GENERIC NAME	COMPONENTS		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1635 M	Cable		X	T-21	
750-27	APRM		X	T-21	
750-10B	Recorder		X	T-21	
750-10D	Recorder		X	T-21	
C1636 E	Cable		X	T-21	K10-1
C1636 F	Cable		X	T-21	K10-1
C1636 G	Cable		X	T-21	K10-1
C1636 H	Cable		X	T-21	K10-1
C1636 A	Cable		X	T-21	K10-1
C1636 B	Cable		X	T-21	K10-1
C1636 C	Cable		X	T-21	K10-1
C1636 D	Cable		X	T-21	K10-1
C1636 J	Cable		X	T-21	K10-1
C1636 K	Cable		X	T-21	K10-1
C1636 L	Cable		X	T-21	K10-1
C1636 M	Cable		X	T-21	K10-1
750-27	ARPM		X	T-21	
750-18A	Remote Range SW		X	T-21	
750-18G	Remote Range SW		S	T-21	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 635-36-37

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
750-18B	Remote Range SW		X	T-21		
750-18H	Remote Range SW		X	T-21		
C1637 A	Cable		X	T-21	K2-2	
C1637 B	Cable		X	T-21	K2-2	
C1637 C	Cable		X	T-21	K2-2	
C1637 E	Cable		X	T-21	K2-3	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 637-39-40

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1637 F	Cable		X	T-21	
C1637 G	Cable		X	T-21	
C1636 H	Cable		X	T-21	
750-22	SRM Aux		X	T-21	
2214	Rack		X	R-2A	
C1639 A	Cable		X	R-2A	K10-5
C1639 B	Cable		X	R-2A	K10-5
C1639 F	Cable		X	R-2A	K10-5
C1639 C	Cable		X	R-2A	K2-89
C1639 G	Cable		X	R-2A	K10-5
C1639 D	Cable		X	R-2A	K2-89
IAC-1 120 VAC	Inst. SWBD		X	T-5C	
C1640 A	Cable		X	T21-T5C	K2-23
CRP #913	Panel		X	T-21	
C1640 C	Cable		X	R-2A	K2-70
C1640 L	Cable		X	R-2A	K2-70
C1640 D	Cable		X	R-2A	K2-80
C1640 M	Cable		X	R-2A	K2-80
C1640 E	Cable		X	R-2A	K7-9

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 637-39-40

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1640 N	Cable		X	R-2A	K7-9	
C1640 F	Cable		X	R-2A	K1-38	
C1640 L	Cable		X	R-2A	K2-70	
C1640 G	Cable		X	R-2A	Vendor Furnished	
C1640 R	Cable		X	R-2A	Vendor Furnished	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31C01 Sh. 640-41-42

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1640 H	Cable	X		R-2A	K2-109
C1640 S	Cable	X	X	R-2A	K2-109
Tip Channel #1 & 2	Indexing Unit	X		R-1	GE
Tip Channel #1 & 2	Indexing Unit		X	R-2A	GE
UP-ID kct 28	Distr. Pnl.		X	R-2A	
C1640 J	Cable		X	R-2A	K1-13
C1641 A	Cable		X	R-2A	K2-94
C1641 F	Cable		X	R-2A	K2-94
C1641 B	Cable		X	R-2A	K2-94
C1641 G	Cable		X	R-2A	K2-92
C1641 C	Cable		X	R-2A	K2-94
C1641 H	Cable		X	R-2A	K2-94
C1641 D	Cable		X	R-2A	K2-90
C1641 J	Cable		X	R-2A	K2-90
C1641 E	Cable		X	R-2A	K2-72
C1641 K	Cable		X	R-2A	K2-72
Channel #1 & 2	Shear Valve		X	R-2A	
Channel #1 & 2	Ball Valve		X	R-2A	

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 645-41-42

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
Bus "A" LPRM	Detector Assy.	X		R-1	GE
C1641 A-RB	Cable		X	R-2A	RG-59 B/U
C1642 AK-RA	Cable		X	R-2A	RG-59 B/U
770 (12-45)	Detector & Cable	X		R-1	GE 49A 4335

SYSTEM: RPS

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 642-43-45-46

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
Bus "B" LPRM	Detector Assy.	X		R-1		GE
C1643 A-RD	Cable		X	R-2A		RG-59 B/U
C1643 AK-RC	Cable		X	R-2A		RG-59 B/U
770 (20-45)	Detector & Cable	X		R-1		GE 49A-4335
C1645 A	Cable		X	T-21		K2-15
Channel 7	RBM		X	T-21		
Channel 8	RBM		X	T-21		
C1646 T-RA	Cable		X	T21-R19		K1-15
C1646 U-RB	Cable		X	T21-R19		K1-15
C1649 N-RA	Cable		X	T-21		K2-21
APRM By Pass	Sel & Alarm Reset		X	T-21		GE
APRM	Pos. Ind.		X	T-21		GE
C1650 A	Cable		X	T-21		K2-5
C1650 D	Cable		X	T-21		K2-4
756-702 A	24 VAC Trans.		X	T-21		



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

PRIMARY CONTAINMENT ISOLATION

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: PRIM. CTMT. ISO

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 478

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
203-1A	Pos. SW	X				
C1479K	Cable	X				
X-100B	Penetration	X				
X-100A	Penetration	X				
C1555G-RA	Cable	X				
C1478AD	Cable	X				
595-751A	D.C. Sol.	X				
C1478AJ	Cable	X				
203-1A	Pilot Sol (AC)	X				
203-1A	Test Sol. (AC)	X				
C1478H	Cable	X				
203-1B	Pos. SW	X				
C1478N	Cable	X				

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: PRIM. CTMT. ISO

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 478

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
595-751B	D.C. Sol	X			
C1478AG	Cable	X			
C1478AK	Cable	X			
C1478K	Cable	X			
203-1B	Pilot Sol. (AC)	X			
203-1B	Test Sol. (AC)	X			
203-1C	Pos. SW.	X			
203-1C	Pilot Sol. (AC)	X			
203-1C	Test Sol. (AC)	X			
C1478R	Cable	X			
C1478Y	Cable	X			
595-751C	D.C. Sol.	X			
C1478S	Cable	X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: PRIM, CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): SH 478

PLANT I.D. No.	GENERIC NAME	COMPONENTS		REMARKS	
		Inside	Outside	Fire Zone	Misc.
203-1D	Pos. SW.	X			
203-1D	Pilot Sol. (AC)	X			
203-1D	Test Sol. (AC)	X			
595-751D	D. C. Sol.	X			
C1478U	Cable	X			
C1478X	Cable	X			
C1478V	Cable	X			
C1478M	Cable	X			
C1478AA	Cable		X		
C1478AB	Cable		X		
C1478B	Cable		X		
C1478C	Cable		X		
C1478E	Cable		X		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: PRIM. CTMT. ISO

EQUIPMENT:

25202 - Reference Dwg(s): SH. 478, 555, 479

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1478F	Cable		X			
C1478G	Cable		X			
CRP904	Panel		X			
C1555T-RA	Cable	X				
C1555J-RC	Cable	X				
C1555V-RC	Cable	X				
C1555A-KA	Cable		X			
CRP-915	Panel					
203-2A	Pos. SW.		X			
203-2A	Pilot Sol. (AC)		X			
203-2A	Test Sol. (AC)		X			
595-752A	D.C. Sol.		X			
C1479D	Cable		X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: PRIM. CTMT. ISO.

## EQUIPMENT:

25202 - Reference Dwg(s): SH. 479, 555

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1479AD	Cable		X		
C1479P	Cable		X		
C1479E	Cable		X		
C1555F-RA	Cable		X		
203-2B	Pos. SW.		X		
203-2B	Pilot Sol. (AC)		X		
203-2B	Test Sol. (AC)		X		
595-752B	D.C. Sol.		X		
C1479F	Cable		X		
C1479AC	Cable		X		
C1479R	Cable		X		
C1479G	Cable		X		
C1555S	Cable		X		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: PRIM. CTMT. ISO

EQUIPMENT:

25202 - Reference Dwg(s): SH. 479, 555

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
203-2C	Pos. SW.		X			
203-2C	Pilot Sol. (AC)		X			
203-2C	Test Sol. (AC)		X			
595-752C	D.C. Sol.		X			
C1479H	Cable		X			
C1479AD	Cable		X			
C1479S	Cable		X			
C1479J	Cable		X			
C1555H-RC	Cable		X			
203-2D	Pos. SW.		X			
203-2D	Pilot Sol. (AC)		X			
203-2D	Test Sol. (AC)		X			
595-752D	D.C. Sol.		X			



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on 8

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh: 479, 555

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1479K	Cable		X			
C1479T	Cable		X			
C1479L	Cable		X			
C1479AE	Cable		X			
C1555 U-RC	Cable		X			
C1479N	Cable		X			
C1479M	Cable		X			
C1479B	Cable		X			
C1479C	Cable		X			
C1479A	Cable		X			
C1479U	Cable		X			
C1479V	Cable		X			
1-MS-5	Valve(Motor)		X			

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 481, 482

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
X-105B	Penetration	X			
C1481	Cable	X			
2A-3, Compt. 11D	MCC		X		
220-1	L.S.	X			
C1481A	Cable	X			
C1481B	Cable		X		
C1481C	Cable		X		
C1481D	Cable		X		
1-MS-6	Valve(Motor)		X		
220-2	L.S.		X		
C1482A	Cable		X		
C1482B	Cable		X		
C1482C	Cable		X		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 9 Cont. on 10

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 483, 969

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1482D	Cable		X			
Sm-1 (220-44)	Sample Isol. Valve	X				
C1483C	Cable	X				
CRP903	Panel		X			
C1483A	Cable		X			
CRP904	Panel		X			
SM-2(220-45)	Sample Isol. Valve		X			
C1483D	Cable		X			
C1483B	Cable		X			
SS-3(FCV6-38H)	I.S.		X			
C1969C	Cable		X			
SS-3(FS06-38A)	Sol		X			
C1969E	Cable		X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 10 Cont. on 11

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 969

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
SS-4(FCV6-38B)	L.S.		X			
C1969F	Cable		X			
SS-4(FSO-6-38B)	Sol.		X			
C1969D	Cable		X			
C1969M	Cable		X			
C1969L	Cable		X			
SS-13(FCV6-33A)	L.S.		X			
SS-13(FSO6-33A)	Sol.		X			
C1969G	Cable		X			
C1969H	Cable		X			
SS-14(FCV6-33B)	L.S.		X			
SS-14(FSO6-33B)	Sol.		X			
C1969J	Cable		X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 11 Cont. on 12

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 969

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1969K	Cable		X			
AC-7(1601-1)	L.S.		X			
"	Sol.		X			
AC-9(1601-24)	L.S.		X			
"	Sol.		X			
AC-8(1601-19)	L.S.		X			
"	Sol.		X			
AC-10(1601-28)	L.S.		X			
"	Sol.		X			
AC-11(1601-29)	L.S.		X			
"	Sol.		X			
AC-6(1601-7)	L.S.		X			
"	Sol.		X			
AC-5(1601-18)	L.S.		X			
"	Sol.		X			
AC-4(1601-2)	L.S.		X			
"	Sol.		X			
AC-12(1601-11)	L.S.		X			
"	Sol.		X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 12 Cont. on 13

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 969

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-CU-2(V11-2)	Valve(Motor)	X			
X-105	Penetration	X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 13 Cont. on 14

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 684, 685

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1684	Cable	X			
2A-3, Compt. 10B	MCC		X		
C1684B	Cable		X		
C1684C	Cable		X		
1-CU-2	L.S.	X			
X-100B	Penetration	X			
C1684A	Cable	X			
1-CU-3(MO-1201-5)	Valve		X		
C1685B	Cable		X		
1201-5	L.S.		X		
C1685A	Cable		X		
C1685C	Cable		X		
1-CU-5(1201-7)	Valve		X		



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 14 Cont. on 15

SYSTEM: PRIM. CTMT ISO.

EQUIPMENT:

25202 - Reference Dwg(s): Sh. 686, 687, 863

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1686	Cable		X			
DC-11A-2	MCC		X			
C1686B	Cable		X			
C1686C	Cable		X			
1201-7	L.S.		X			
1-CU-28(V11-301)	Valve(MO)		X			
C1687	Cable		X			
1 CU-28	L.S.		X			
C1687A	Cable		X			
C1687B	Cable		X			
C1687C	Cable		X			
1-SD-1(V14-1)	Valve(MO)	X				
C1863	Cable	X				

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 15 Cont. on 16

SYSTEM: PRIM. CTMT. ISO.

## EQUIPMENT:

25202 - Reference Dwg(s): SH. 863,858,859

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1863B	Cable		X			
C1863C	Cable		X			
C1863A	Cable	X				
1-SD-1	L.S.	X				
1-SD-2A	Valve (MO)		X			
C1858B	Cable		X			
C1858C	Cable		X			
C1858A	Cable		X			
1001-2A	L.S.		X			
1-SD-4A	Valve (MO)		X			
C1859B	Cable		X			
C1859C	Cable		X			
C1859A	Cable		X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 16 Cont. on 17

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): SH. 868, 869

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
1001-4A	L.S.		X		
1-SD-2B	Valve (MO)		X		
C1868B	Cable		X		
C1868C	Cable		X		
C1868A	Cable		X		
1001-2B	L.S.		X		
1-SD-4B	Valve (MO)		X		
C1869B	Cable		X		
C1869C	Cable		X		
C1869A	Cable		X		
1001-4B	L.S.		X		
1040-4B	Position Ind.		X		
1040-4A	Position Ind.				

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: PRIM. CTMT. ISO

EQUIPMENT:

25202 - Reference Dwg(s): SH 864, 480

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-SD-5 (VIA-5)	Valve (MO)		X		
C1864B	Cable		X		
C1864C	Cable		X		
C1864A	Cable		X		
1-SD-5	L.S.		X		
1-HS-4	Valve (MO)		X		
C1480	Cable		X		
C1480B	Cable		X		
C1480C	Cable		X		
C1480A	Cable		X		
205-2-5	L.S.		X		
X-105D	Penetration	X			
X-103	Penetration	X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 18 Cont. on \_\_\_\_\_

SYSTEM: PRIM. CTMT. ISO.

EQUIPMENT:

25202 - Reference Dwg(s): SH. 684

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-Cu-2A	Valve (SOV)	X			
C1684E	Cable	X			
C1684D	Cable		X		
C1684G	Cable		X		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

GAS TURBINE GENERATOR

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1071, 110

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C11071 J	Cable		X	TG-Outside	K2-28
88FD-2	Motor (Fuel)		X	Outside	For Fuel PM
C11071 K	Cable		X	TG-Outside	K2-28
88FD-1	Motor (Fuel)		X	Outside	For Fuel PM
C11071 L	Cable		X	TG-Outside	K2-41
PS-8-7	P.S. (Fuel)		X	Outside	
C11071 M	Cable		X	TG-Outside	K2-28
88FE	Emerg. Pump		X	Outside	
GTG 4.16 KV Unit 3	SWGR		X	TG	
C11071 N	Cable		X	TG	K2-20
C11071 P	Cable		X	TG-T19E	K2-24
4.16 KV SWGB7, Cub 2	4.16 KV		X	T19E	
C11071 R	Cable		X	TG-T5C	K2-24
MCC2A-4, Compt. 1C	MCC.		X	T5C	
CRP 926	Panel		X	T21	
C1110 F	Cable		X	T21	K2-21
C1110 G	Cable		X	T21	K2-21
CRP 908	Panel		X	T21	



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1071, 110

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
Gas Turb. SWGR, Cub 3	Gas Turb. SWGR.		X	TG	
C1110E	Cable		X	TG-19E	K2-21
4.16 KV SWGR7, Cub 5	SWGR		X	T19E	
C1110 D	Cable		X	T19E	K2-21
C1110 H	Cable		X	T19E	K2-21

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1070, 1071

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
GTG PNL 2F	Cont. Panel		X	TG		
C11070 A	Cable		X	TG-T21	K2-46	
C11070 B	Cable		X	TG-T21	K2-46	
C11060 C	Cable		X	TG-T21	K2-41	
C11070 D	Cable		X	TG-T21	K2-44	
C11070 E	Cable		X	TG-T21	K2-45	
C11070 F	Cable		X	TG-T21	K2-23	
C11070 G	Cable		X	TG-T21	K2-21	
.2R (Gen. Cont)	GTG Cont. Cabinet		X	TG		
C11070 H	Cable		X	TG-T21	K2-21	
4160V SWGR7, Cub 3	SWGR		X	T19E		
C11070 J	Cable		X	T19E-T21	K2-46	
NP144, Bus #7	(Not Used)		X	-	For Future Use	
CRP 908	Panel		X	T21		
MCC #1	MCC 1		X	TG		
C1751 X	Cable		X	TG-T21	K2-41	
C1740 X	Cable		X	TG-T21	K2-41	
C11071 A	Cable		X	TG-T21	K2-41	
C11071 B	Cable		X	TG-T21	K2-41	

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1070, 1071

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
CRP 926	Cable		X	T21	
C11071 G	Cable		X	TG-T19E	K2-22
4.16 KV SWGR 7, Cub 4	SWGR		X	T19E	
C11071 Y	Cable		X	T19E-T21	K2-21
C11071 H	Cable		X	TG	K2-21
20FD2(FSO-8-7)	Fuel Shut Off		X	TG	

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 112, 114, 120, 122

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1117 H	Cable		X	T21-T19E	K2-63	
4160 SWGR 7, Cub 1	Cable		X	T19E		
C1117 F	Cable		X	T19E-TG	K1-1	
C1117 E	Cable		X	T19E-TG	K1-1	
C1117 D	Cable		X	T19E-TG	K1-1	
C1117 C	Cable		X	T19E-TG	K1-1	
C1117 B	Cable		X	T19E-TG	K1-1	
C1117 A	Cable		X	T19E-TG	K1-1	
4160V GTG SWGR	SWGR		X	TG		
C1117 G	Cable		X	T19E-TG	K2-63	
C1117 J	Cable		X	T19E-T19C	K1-30	
DP-4(MCC2A-5)	MCC		X	T19C		
GTG Breaker, Cub 3	Breaker		X	TG		
C1120 K	Cable		X	TG-T19E	K2-21	
C1120 H	Cable		X	T19E-T21	K2-25	
C1120 G	Cable		X	T19E-T21	K2-25	
C1122 C	Cable		X	T21-Trans Yard	K2-6	
Term. Box at Transf.	Box		X	Trans. Yard	Shut dn. Trans	

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 112, 114, 120, 122

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1122 D	Cable		X	T21-Trans Yard	K2-2	
C1122 A	Cable		X	Trans Yard- T19E	K2-23	
C1122B	Cable		X	Trans Yard- T19E	K1-27	
MCC2A-4 Compt 1B	MCC		X	T5C		
C1118 A	Cable		X	T21-T19E	K2-5	

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 110, 112

PLANT I.D. No.	GENERIC NAME	COMPONENTS			REMARKS
		Inside	Outside	Fire Zone	
4.16 KV SWGR1, Cub 1	SWGR.		X	T19-C	
C1110 A	Cable		X	T21-T19C	K2-25
C1110 B	Cable		X	T21-T19C	K2-2
4.16KV SWGR 7, Cub 2	SWGR		X	T19E	
4.16 KV SWGR 7, Cub 3	SWGR.		X	T19E	
4.16 KV SWGR 7, Cub 5	SWGR.		X	T19E	
C1110 C	Cable		X	T19C-T19E	K2-23
C1111 E	Cable		X	TG-T19E	K2-21
C1111 D	Cable		X	T19E-T19C	K2-21
C1111 H	Cable		X	T19E-T19C	K2-21
C1111 A	Cable		X	T21-T19C	K2-25
C1111 B	Cable		X	T21 T19C	K2-2
C1111 C	Cable		X	T19E-T19C	K2-23
4160V SWGR 3, Cub 16	SWGR.		X	T19-C	
C1111 F	Cable		X	T21	K2-21
C1111 G	Cable		X	T21	K2-21
C1112 E	Cable		X	TG-T19E	K2-21

SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 110, 112

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1112 D	Cable		X	T19E-T19D	K2-21	
C1112 H	Cable		X	T19E	K2-21	
C1112 A	Cable		X	T21-T19D	K2-2	
C1112 B	Cable		X	T21-T19D	K2-2	
4160V SWGR 4, Cub 16	SWGR.		X	T-19D		
C1112 C	Cable		X	T19E-T19D	K2-23	
C1112 F	Cable		X	T21	K2-21	
C1112 G	Cable		X	T21	K2-21	



SYSTEM: GAS TURBINE GENERATOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 120, 125, 124

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1120 A	Cable		X	T19E-T.Y.	K1-1	
C1120 B	Cable		X	T19E-T.Y.	K1-1	
C1120 C	Cable		X	T19E-T.Y.	K1-1	
C1120 D	Cable		X	T19E-T.Y.	K1-1	
C1120 E	Cable		X	T19E-T.Y.	K1-1	
C1120 F	Cable		X	T19E-T.Y.	K1-1	
Transf. Unit 1	Shut Down Transf.		X	Transf. YD.		
Bus Duct. No. 7	SWGR. 7		X	T19E		
C115 A	Cable		X	T19E-T21	K2-3	



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

DIESEL GENERATOR #1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: DIESEL GENERATOR NO. 1

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 133, 134, 132

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
4160V SWGR 7, Cub 5	Swgr.		X	T-19E		
4160V Bus #7	Swgr.		X	T19E		
CS/132 G Pump SW	Prelube Pump		X	T7		
C1132L	Cable		X	T7-T19E	K1-33	
DC-1 125V D.C.	D.C. SWBD		X	T-19E		
C1132M	Cable		X	T7-T19E	K1-33	
DC-1A, Cht. 15	125V D.C. SWBD		X	T19E		
V4-18B	Cooling Str. Sol.		X	T7		
C1133A	Cable		X	T19A-T7	K2-4	
C1133B	Cable		X	T19A-T7	K2-2	
C1133C	Cable		X	T19A-T7	K2-2	
C1133D	Cable		X	T19A-T7	K2-2	
C1133F	Cable		X	T19B-T7	K10-1	
C1133G	Cable		X	T19B-T7	K10-1	
C1133H	Cable		X	T19B-T7	K10-1	
4160V SWGR 5, Cub 13	Swgr.		X	T-19A		
4160V SWGR 5, Cub 2	Swgr.		X	T-19A		

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 133, 134, 132

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1133E	Cable		X	T19A-T19B	K2-2	
4160V SWGR 6, Cub 2	Swgr.		X	T-19B		
4160V SWGR 6, Cub 13	Swgr.		X	T-19B		
M8-47A (Motor)	Diesel Tran. PM.		X	Outside		
C1134	Cable		X	T5C	K1-28	
MCC2A-4, Comp 1G	MCC		X	T-5C		
C1134A	Cable		X	T7-T5C	K2-5	
C1134B	Cable		X	T7	K2-4	

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 132, 289, 288

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1288F	Cable		X	T19C-T19D	K2-2	
SWGR #2 (4160V)	Swgr.		X	T-19D		
C1288H	Cable		X	T19D	K2-2	
SWGR #4 (4160V)	Swgr.		X	T-19D		
C1288K	Cable		X	T19D-T19C	K2-2	
SWGR #3 (4160V)	Swgr.		X	T-19C		
C1289B	Cable		X	T21	K2-3	
C1289D	Cable		X	T19C-T21	K2-2	
C1289F	Cable		X	T19C-T19D	K2-2	
C1289H	Cable		X	T19D	K2-2	
C1289K	Cable		X	T19C-T19D	K2-2	
C1132R	Cable		X	T21-T7	K10-1	
Diesel Cont. Cub	Control Cub.		X	T7		
C1132A	Cable		X	T7-T21	K2-23	
C1132B	Cable		X	T7-T21	K2-61	
C1132C	Cable		X	T7-T21	K2-23	
C1132D	Cable		X	T7-T21	K2-43	
C1132E	Cable		X	T7-T21	K2-41	
C1132P	Cable		X	T7-T21	K2-23	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 132, 289, 288

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1132F	Cable		X	T7-T21	K2-24	
C1132G	Cable		X	T7-T21	K2-42	
C1132H	Cable		X	T7-T21	K2-5	
C1132J	Cable		X	T7-T21	K2-45	
C1132K	Cable		X	T7-T21	K2-22	
C1125B	Cable		X	T21-T19E	K2-22	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 134, 135, 136

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
B-116	Box		X	T9	
C1134C	Cable		X	T7-T9	K2-2
C1134D	Cable		X	T9	K2-2
LSH-8-23A	L.S.		X	T24	
LSL-8-28A	L.S.		X	T24	
M8-47B	Diesel Trans. PM		X	Outside	
C1135	Cable		X	T5C	K1-27
MCC2A-4, Comp 1F	MCC		X	T5C	
C1135A	Cable		X	T7-T5C	K2-5
B-115	T. Box		X	T9	
C1135C	Cable		X	T7-T9	K2-2
C1135D	Cable		X	T7-T9	K2-2
LSH-8-23B	L.S.		X	T9	
LSL-8-28B	L.S.		X	T9	
C1136M	Cable		X	T19B-T21	K2-2
C1136F	Cable		X	T21	K2-2
1530-322	Timer, Bus 6		X	T21	
C1136L	Cable		X	T21-T19B	K2-2
C1136G	Cable		X	T21	K2-2

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 134, 135, 136

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1136C	Cable		X	T21	K2-2
C1136J	Cable		X	T21	K2-2
C1136K	Cable		X	T21	K2-2
C1136H	Cable		X	T21-T7	K2-2

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on 8

SYSTEM: DIESEL GENERATOR NO. 1

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 130, 131, 288

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1130	Cable		X	T7-T19A	K1-1	
4160V SWGR 5, Cub 13	Swgr.		X	T-19A		
C1130A	Cable		X	T19A-T19C	K2-41	
4160V SWGR 3, Cub 2	Swgr.		X	T-19C		
C1130B	Cable		X	T19A-T21	K2-46	
CRP 908	Panel		X	T21		
C1130E	Cable		X	T21	K2-41	
C1130D	Cable		X	T21	K2-41	
CRP 926	Panel		X	T21		
C1130C	Cable		X	T21-T7	K2-45	
Diesel Relay Pnl	Relay Panel		X	T7		
4160V SWGR 6, Cub 13	Swgr.		X	T19B		
C1131	Cable		X	T7-T19B	K1-1	
C1131A	Cable		X	T19B-T19D	K2-41	
4160V SWGR 4, Cub 2	Swgr.		X	T-19D		
C1131B	Cable		X	T19B-T21	K2-46	
C1131E	Cable		X	T-21	K2-41	



## MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 130, 131, 288

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1131D	Cable		X	T-21	K2-41	
C1131C	Cable		X	T21-T7	K2-45	
C1132S	Cable		X	T21	K10-1	
CRP 926	Panel		X	T21		
C1288B	Cable		X	T21	K2-3	
CRP 922A	Panel		X	T21		
C1288D	Cable		X	T19C-T21	K2-2	
SWGR #1 (4160V)	Swgr.		X	T-19C		

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 288, 289

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1288T	Cable		X	T21-T7	K2-22	
SWGR #4601	Panel 922B		X	T21		
1G1P12/B	Cable		X	T19D-T21	LG1P12/B	
C1288E	Cable		X	T19C-T19D	K2-2	
C1288G	Cable		X	T19D	K2-2	
C1288J	Cable		X	T19D-T19C	K2-2	
C1288A	Cable		X	T21	K2-3	
CRP922B	Panel		X	T21		
C1288M	Cable		X	R2B-T21	K2-21	
C1288V	Cable		X	T21	K2-2	
C1288N	Cable		X	T21	K2-2	
C1288L	Cable		X	T21	K2-2	
C1288C	Cable		X	T21-T19C	K2-2	
C1288U	Cable		X	T21	K2-2	
C1288R	Cable		X	T7-T21	K2-22	
C1289R	Cable		X	T7-T21	K2-22	
C1289T	Cable		X	T7-T21	K2-22	
C1289E	Cable		X	T19C-T19D	K2-2	
C1289G	Cable		X	T19D	K2-2	

SYSTEM: DIESEL GENERATOR NO. 1

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 288, 289

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1289J	Cable		X	T-19C-T19D	K2-2	
CRP922B	Panel		X	T21		
C1289A	Cable		X	T21	K2-3	
C1289U	Cable		X	T21	K2-2	
C1289V	Cable		X	T21	K2-2	
C1289N	Cable		X	T21	K2-2	
C1289L	Cable		X		K2-2	
C1289M	Cable		X	R2B-T21	K2-21	
C1289C	Cable		X	T21-T19C	K2-2	
C1288T	Cable		X	T21-T7	K2-22	

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

EMERGENCY POWER

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 271-272

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
4.16KV Bus No. 7(14G)	Swgr		X	T19E	
Bus Duct No. 7	Duct		X	T19E-T19C	
4.16KV Bus No. 1(14A)	Swgr		X	T19C	
Bus Duct	Duct		X	T19E-T19C	
4.16KV Bus No. 3(14C)	Swgr		X	T19C	
C1271	Cable		X	T19C-T19A	K1-2
C1271A	Cable		X	T19C-T19A	K1-2
C1271F	Cable		X	T19C-T19A	K2-22
C1271C	Cable		X	T19C-T21	K2-61
C1271B	Cable		X	T19C-T21	K2-25
C1271E	Cable		X	T19C-T21	K2-2
C1271D	Cable		X	T19C-TC5	K1-33
C1272B	Cable		X	T21-T19C	K2-25

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 291-393-308

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
480V Aux. No. 1	Transf.		X	T19E		
C1291C	Cable		X	T19E-T21	K2-61	
C1291F	Cable		X	T21-T19E	K2-21	
C1291B	Cable		X	T19E-T21	K2-25	
C1291E	Cable		X	T19E	K2-21	
480V Bus No. 1(12-C)	Swgr		X	T19E		
480V Swgr 1A (12D)	Swgr		X	T19E		
C1393	Cable		X	T19E	K1-22	
C1293B	Cable		X	T19E-T1	K1-21	
C1308	Cable		X	T19E-Fire House	K1-25	
C1308A	Cable		X	T19E-T21	K2-5	
MCC 22A-2	MCC		X	Fire House		
C1293F	Cable		X	T19E-T5C	K1-25	
MCC 1-1(C2)	Turb.Aux. MCC		X	T5C		
C1293G	Cable		X	T19E	K1-23	
MCC 1-2(C3)	MCC		X	T19E		

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 284-280-299

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
4.16KV Bus No. 5(14E)	Swgr		X	T19A		
Bus Duct	Duct		X	T19C-T19A		
C1284A	Cable		X	T19C-T21	K2-3	
C1280	Cable		X	T19A	K1-3	
C1260B	Cable		X	T19A-T21	K2-25	
480V Aux. No. 2 (12E)	Transf.		X	T19A	K2-25	
C1299C	Cable		X	T19A-T21	K2-2	
C1299A	Cable		X	T19A-T21	K2-2	
C1299K	Cable		X	T19A-121	K2-2	
C1299X	Cable		X	T19A	K2-2 Not on Cable Listing	
C1299N	Cable		X	T19A	K2-2	
C1299M	Cable		X	T19A	K2-2	

MILLSTONE POINT UNIT I  
 MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 299

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1299Q	Cable		X	T19A	K2-2
C1299R	Cable		X	T19A	K2-2
C1299S	Cable		X	T19A	K10-1
C1299G	Cable		X	T19A-T21	K2-2
C1299H	Cable		X	T19A-T19C	K1-11
C1299D	Cable		X	T19E-T19A	K1-35
C1299E	Cable		X	T19E-T19A	K1-35
C1299F	Cable		X	T21-T19A	K2-2
125V DC1	Swbd		X	T19E	
125V DC1A	Swbd		X	T19E	
120V AC DP-3	MCC 2-5		X	T19C	
CRP 908	Panel		X	T21	
CRP 926	Panel		X	T21	



MILLSTONE POINT UNIT I  
 MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 300-155-302

PLANT I.D. No.	GENERIC NAME	COMPONENTS		Fire Zone	REMARKS
		Inside	Outside		
480V Bus 2	Swgr		X	T19A	
480V No. 2 Breaker	Main Breaker		X	T19A	
C1300D	Cable		X	T19A-T21	K2-21
C1300C	Cable		X	T19A-T21	K2-61
C1300B	Cable		X	T19A-T21	K2-6
C1300A	Cable		X	T19A-T21	K2-2
C1300E	Cable		X	T19A-T19B	K2-2
M4-15A (Motor)	T.B.S.C.C.W.		X	T5C	Turb. Bldg. Secondary CC Wtr.
C1155	Cable		X	T19A-T5C	K1-23
C1155A	Cable		X	T19A-T21	K2-44
C1155D	Cable		X	T21	K2-2
MCC 2-1(E1)	MCC		X	R14	Rx Bldg.
C1302	Cable		X	R14-T19A	K1-22

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: EMERGENCY POWER

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 304-307-306-305

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1302A	Cable		X	T19A-T21	K2-5
MCC 2-3(E3)	MCC		X	R2A	Rx Bldg.
C1304	Cable		X	R2A-T19A	K1-23
C1304A	Cable		X	T19A-T21	K2-5
MCC 2-6(E6)	MCC		X	T15A	
C1307	Cable		X	T15A-T19A	K1-25
C1307A	Cable		X	T19A-T21	K2-5
MCC 2-5(E5)	MCC		X	T19C	
C1306	Cable		X	T19C-T19A	K1-25
C1306A	Cable		X	T19A-T21	K2-5
MCC 2-4(E4)	MCC		X	T5C	
C1305	Cable		X	T5C-T19A	K1-24
C1305A	Cable		X	T19A-T21	K2-5

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 293

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
MCC 22A-1(EF7)	MCC		X	T7		
C1293W	Cable		X	T19A-T7	K1-21	
C11406	Cable		X	T7	3 1/C #6	
Diesel MCC	MCC		X	T7		
C11407	Cable		X	T7	3/C #12	
C11407A	Cable		X	T7	3/C #12	
Diesel Air Comp	Air Compressor		X	T7		
MCC 2-4	MCC		X	T5C		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 8 Cont. on 9

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 353-323

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1323	Cable		X	T19C-T19E	K1-18
Battery Charger 1A	Rectifier		X	T19E	
C9644	Cable		X	T19E	K1-37
DC-1A	Swgr		X	T19E	
C1323A	Cable		X	T19E-T21	K2-2
CRP 908	Panel		X	T21	
C1323B	Cable		X	T19E-T21	K2-2

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 9 Cont. on 10

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 321

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1321A	Cable		X	T19C-T19A	K1-20
DC-11A-3	MCC		X	T19E	
C1321B	Cable		X	T19E-T19A	K1-26
MCC 2A-5	MCC		X	T19C	
C1321C	Cable		X	T19C	K1-41
Transf 1V-1	Transf		X	T19C	
C1321S	Cable		X	T19C-T21	K1-22
C1321D	Cable		X	T19C-T21	K1-22
VAC-1 (120/240V Vital)	Swbd		X	T21	
C1321E	Cable		X	T21-T19A	K1-22
C1321F	Cable		X	T21	K2-2
Vital AC MG Set	Control Cabinet		X	T19A	
C1321G	Cable		X	T19A	K1-20

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 10 Cont. on 11

SYSTEM: EMERGENCY POWER

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 321

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1321H	Cable		X	T19A	K1-27	
C1321J	Cable		X	T19A	K2-41	
C1321K	Cable		X	T19A	K1-26	
C1321L	Cable		X	T19A	K1-11	
C1321M	Cable		X	T19A	K2-41	
C1321N	Cable		X	T19A	K1-36	
C1321P	Cable		X	T19A	K1-11	
C1321R	Cable		X	T19A	K1-41	
C9822	Cable		X	T19C	K1-16	
NEL-1	Ltg Panel		X	T19C		
MCC 2-1	MCC		X	R14		
C1666	Cable		X	R14-R13	K1-18	
MCC 2-3	MCC		X	T5C		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 11 Cont. on 12

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 791-281

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		Misc.
C1791G	Cable		X	R2A	K1-36
2-3NE (E-F3)	MCC		X	R2A	Ilor. Fdr.
C1791J	Cable		X	R2A-R2D	Emerg. Fdr.
2A-NE3	MCC		X	R2A-R7	K1-27
HVH-15	Air Handling		X	R7	
C1864	Cable		X	R2A-R5	K1-27
C1281	Cable		X	T19A-S.Y.	K1-7
C1281B	Cable		X	T19A-T21	K2-25



SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 791-281

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1791G	Cable		X	R2A	K1-36
2-3NE (E-F3)	MCC		X	R2A	Nor. Fdr.
C1791J	Cable		X	R2A-R2D	Emerg. Fdr.
2A-NE3	MCC		X	R2A-R7	K1-27
HVH-15	Air Handling		X	R7	
C1864	Cable		X	R2A-R5	K1-27
C1281	Cable		X	T19A-S.Y.	K1-7
C1281B	Cable		X	T19A-T21	K2-25



SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 283-284-310

PLANT I.D. No.	GENERIC NAME	COMPONENTS		Fire Zone	REMARKS	
		Inside	Outside		Misc.	
4.16KV Bus 6 (14-F)	Bus		X	T19B		
C1283	Cable		X	T19B	K1-3	
C1283B	Cable		X	T19B-T21	K2-25	
C1284A	Cable		X	T19A-T21	K2-3	
C1284B	Cable		X	T19A-T21	K2-3	
480V Aux. 2A (12F)	Transf		X	T19B		
480V Bus 2A	Swgr		X	T19B		
C1310C	Cable		X	T19B-T21	K2-2	
C1310A	Cable		X	T19B-T21	K2-21	
C1310J	Cable		X	T19B-T21	K2-2	
C1310K	Cable		X	T19B-T21	K2-2	
CRP 926	Panel		X	T21		
C1310Z	Cable		X	T19B-T5C	K10-1	2A4
C1310W	Cable		X	T19B-T19C	K2-2	2A5

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 14 Cont. on 15

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 310

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS	
		Inside	Outside		Misc.	
C1310V	Cable		X	T19B-T5C	K2-2	2A-4
C1310U	Cable		X	T19B-T5C	K2-2	2A-4
C1310T	Cable		X	T19B-T5C	K2-2	2A-4
C1310S	Cable		X	T19B-T15A	K2-2	2A-6
C1310R	Cable		X	T19B-R2D	K2-2	2A-3
C1310Q	Cable		X	T19B-R14	K2-2	2-1
C1310Y	Cable		X	T19B-T19C	K2-2	2A-5
C1310N	Cable		X	T19B-R14	K2-2	2A-1
C1310L	Cable		X	T19B-T5C	K2-2	2A-4
C1310D	Cable		X	T19B-T19E	K1-35	
C1310E	Cable		X	T19B-T19E	K1-35	
C1310F	Cable		X	T19B-T21	K2-2	
C1310H	Cable		X	T19B-T19C	K1-11	2-5A

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 15 Cont. on 16

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 311-390

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
480V 2A Breaker	Main Beraker		X	T19B		
C1311F	Cable		X	T19B-T19A	K2-2	
C1311D	Cable		X	T19B-T21	K2-21	
C1311B	Cable		X	T19B-T21	K2-61	
C1311C	Cable		X	T19B-T21	K2-5	
C1311E	Cable		X	T21-T19A	K2-2	
C1390	Cable		X	T5C-T19B	K1-22	
M5-4 (Motor)	Inst. Air Comp.		X	T5C		
C1390A	Cable		X	T19B-T5C	K2-25	
C1390E	Cable		X	T19B-T5C	K2-2	
C1390F	Cable		X	T19B-T21	K2-3	
B-244	Term. Box		X	T5C		
C1390C	Cable		X	T19B	K2-21	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 16 Cont. on 17

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 390-156

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
Cold Wtr. Sol	Sol. Valve		X	T19B	
Unload Valve	Sol. Valve		X	T19B	
C1390K	Cable		X	T19B	K2-21
C1390J	Cable		X	T19B	K2-4
PS5-3A	Press. Sw.		X	T19B	
C1390D	Cable		X	T19B	K2-4
TS5-6	Temp. Sw.		X	T19B	
C1390M	Cable		X	T19B	K10-1
CRP 906	Panel		X	T19B-T7	K2-2
C1156	Cable		X	T5C-T19B	K1-23
M4-15b (Motor)	Sec. Cool. Wtr.		X	T5C	
C1156A	Cable		X	T19B-T21	K2-44

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 156-314-317-316

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1156D	Cable		X	T21-T19A	K2-41
C1156C	Cable		X	T19A-T7	K2-41
MCC 2A-1	MCC		X	R14	
C1312	Cable		X	T19B-R14	K1-22
C1312A	Cable		X	T19B-T21	K2-5
MCC 2A-3	MCC		X	R2D	
C1314	Cable		X	R2D-T19B	K1-23
C1314A	Cable		X	T19B-T21	K2-5
MCC 2A-6	MCC		X	T15A	
C1317	Cable		X	T15A-T19B	K1-25
C1317A	Cable		X	T19B-T21	K2-5
MCC 2A-5	MCC		X	T19C	
C1316	Cable		X	T19C-T19B	K1-25

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 315-290-316

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1316A	Cable		X	T19B-T21	K2-5
MCC 2A-4	MCC		X	T5C	
C1315	Cable		X	T5C-T19B	K1-25
C1315A	Cable		X	T19B-T21	K2-5
MCC 22A-1	MCC		X	T7	
C1293X	Cable		X	T19B-T7	K1-21
C1290Q	Cable		X	T19E-T7	K2-2
C1290R	Cable		X	T19E-T7	K2-2
C1290S	Cable		X	T19E-T7	K2-2
C1290U	Cable		X	T19E-T7	K2-2
C1290D	Cable		X	T19E	K1-33
C1290E	Cable		X	T19E	K1-33

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 276

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMAPYS
		Inside	Outside		Misc.
C1290F	Cable		X	T19E-T21	K2-2
4.16KV 4	Swgr		X	T19D	
C1276	Cable		X	T19B-T19D	K1-2
C1276A	Cable		X	T19B-T19D	K1-2
C1276F	Cable		X	T19B	K2-22
C1276C	Cable		X	T19B-T21	K2-61
C1276E	Cable		X	T19B-T21	K2-2
C1276B	Cable		X	T19B-T21	K2-25
C1276G	Cable		X	T21	K2-2
C1276H	Cable		X	T21	K2-2
C1276D	Cable		X	T19B-T5C	K1-33
2A-4	MCC		X	T5C	120/208V



SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): SH. 463, 462, 460

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1463A	Cable		X		
C1463C	Cable		X		
C1463F	Cable		X		
1-RR-4B	Valve (MO)	X			
C1462	Cable		X		
C1462A	Cable		X		
C1462C	Cable		X		
C1462F	Cable		X		
C1462B	Cable	X			
1-RR-4B	L.S.	X			
C1462E	Cable		X		
1-RR-2B	Valve (MO)	X			
C1460	Cable	X			



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 21 Cont. on 22

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 459, 463

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1459	Cable	X			
C1459B	Cable	X			
1-RR-1B	L.S.	X			
C1459A	Cable		X		
C1459J	Cable		X		
C1459L	Cable		X		
1-RR-5B	Valve (MO)	X			
X-105D	Penetration	X			
C1463	Cable	X			
C1463B	Cable	X			
1-RR-5B	L.S.	X			
2224B	Panel		X		
C1463E	Cable		X		

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 224, 445, 446

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1445	Cable	X			
C1445 A	Cable		X		
C1445 C	Cable		X		
C1445 F	Cable		X		
C1445 B	Cable	X			
X-100 B	Penetration	X			
C1445 E	Cable		X		
1-RR-4A	L.S.	X			
2224 A	Panel		X		
1-RR-5A	Valve (MO)	X			
C1446 A	Cable		X		
C1446 A	Cable		X		
C1446 C	Cable		X		

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 443, 446

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1446 F	Cable		X		
C1446 B	Cable	X			
1-RR-5A	L.S.	X			
1-RR-2A	Valve (MO)	X			
C1443	Cable	X			
C1443 A	Cable		X		
C1443 C	Cable		X		
C1443 E	Cable		X		
C1443 B	Cable	X			
202-5A	L.S.	X			
C1443 F	Cable	X			
1-RR-4A	L.S.	X			
1-RR-1B	Valve (MO)	X			

## MILLSTONE POINT UNIT I

## MASTER CAT. I ELECTRICAL EQUIPMENT

Page: 24 Cont. on 25

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 394

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
2A-5	MCC		X		
2A-4	MCC		X		
2-3NE	MCC		X		
2A-3NE	MCC		X		
C1442S	Cable		X		
C1442P	Cable		X		
C11546	Cable		X		
1-SA-6(V5-17)	Valve (Motor)		X		
C1394	Cable		X		
1-SA-6	L.S.		X		
C1394A	Cable		X		
C1394B	Cable		X		
1-IA-14(V5-18)	Valve (Motor)		X		

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): SH. 460

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1460B	Cable	X				
1-RR-2B	L.S.	X				
C1460F	Cable	X				
1-RR-4B	L.S.	X				
C1460A	Cable		X			
C1460C	Cable		X			
C1460F	Cable		X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 26 Cont. on 27

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-13001 Sh. 392, 373

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1392	Cable		X			
C1392B	Cable		X			
C1392A	Cable		X			
1-IA-14	L.S.		X			
M2-10	L.O. PM		X			
C1373	Cable		X			
C1373C	Cable		X			
C1373B	Cable		X			
C1373D	Cable		X			

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): SH. 442

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1-RR-1A	Valve (MO)	X			
X-105B	Penetration	X			
C1442	Cable	X			
C1442A	Cable		X		
C1442J	Cable		X		
C1442L	Cable		X		
CRP932	Panel		X		
CRP933	Panel		X		
CRP904	Panel		X		
C1442B	Cable	X			
1-RR-1A	L.S.	X			
1-RR-4A	Valve (MO)	X			
X-445B	Penetration	X			

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 28 Cont. on \_\_\_\_\_

SYSTEM: EMERGENCY POWER

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 125

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CONT. LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1125 D	Cable		X	T21-T19E	
C1125 E	Cable		X	T21-T19E	
C1125 C	Cable		X	T21-T19E	
C1125 L	Cable		X	T19E-TG	
C1125 F	Cable		X	TG-T19E	K2-22
C1125 K	Cable		X	T19E-T21	
C1125 J	Cable		X	T21	
C1124 A	Cable		X	T19E-T21	K10-5
C1124 B	Cable		X	T19E-T21	K10-5



MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

125 V AC (VITAL AND INSTRUMENTATION)

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: 125V AC VITAL &amp; INST.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 661-505

PLANT I.D. No.	GENERIC NAME	COMPONENTS			REMARKS
		Inside	Outside	Fire Zone	
C1661G	Cable		X		
C1664S	Cable		X		
C1505H	Cable		X		
CRP 903	Panel		X		
263-106A	Level Ind.		X		
263-1068	Level Ind.		X		
C1505F	Cable		X		
263-73A	Xmtr Sw.		X		
C1505G	Cable		X		
263-73B	Xmtr Sw.		X		
2251	Rack		X		
2252	Rack		X		
CRP 905	Panel		X		
263-100A	Level Ind.		X		
263-100B	Level Ind.		X		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: AC VITAL & INST.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 505

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1505C	Cable		X		
C1505D	Cable		X		
263-59A	Xmtr Sw.		X		
263-59B	Xmtr Sw.		X		
2205	Rack		X		
2206	Rack		X		
C1505A	Cable		X		
C1505B	Cable		X		
CRP 918	Panel		X		
C1848S	Cable		X		
C1845X	Cable		X		
IAC-1-1	Panel		X		Rx Bldg.

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: 125V AC VITAL &amp; INST.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 153-872-869-845-859

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
IAC-1-2	Panel		X		Turbine Bldg.
C1153U	Cable		X		
C1872F	Cable		X		
1001-49	Xmtr Pwr. Sup.		X		
C1872D	Cable		X		
C1869H	Cable		X		
1001-48B	Xmtr Pwr. Sup.		X		
C1869E	Cable		X		
C11052K	Cable		X		
C1845G	Cable		X		
C1845M	Cable		X		
C1859G	Cable		X		
1001-48B	Xmtr Pwr. Sup.		X		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on       

SYSTEM: 125V AC VITAL & INST.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 859-478-483-962-963

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1859E	Cable		X			
C11496F	Cable		X			
C1478A	Cable		X			
C1478D	Cable		X			
C1483E	Cable		X			
C9962	Cable		X			
C9963	Cable		X			
C11555J	Cable		X			

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

125 V DC

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 324

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
2A-5	MCC		X		
C9643	Cable		X		
11A (200A, DC)	Battery Charger		X		
C9647	Cable		X		
C9625	Cable		X		
No. 1 Battery	Station Battery		X		
C9627	Cable		X		
C9626	Cable		X		
C1324K	Cable		X		
C9648	Cable		X		
C1324C	Cable		X		
C1324L	Cable		X		
Grd. Detector	Panel		X		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 633-634-322-323

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C9633	Cable		X		
C9634	Cable		X		
No. 1A Battery	Station Battery		X		
C1324B	Cable		X		
C1324A	Cable		X		
2A-4	MCC		X		
C1322	Cable		X		
No. 1, 200A, DC	Battery Charger		X		
C9641	Cable		X		
C1322A	Cable		X		
C1322B	Cable		X		
1A (200A, DC)	Battery Charger		X		
C1323	Cable		X		



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 323-268

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	Misc.
C9644	Cable		X		
C1323A	Cable		X		
C1323B	Cable		X		
2-5	MCC		X		
C1268A	Cable		X		
C1268E	Cable		X		
C1268B	Cable		X		
C1268J	Cable		X		
C1268N	Cable		X		
C1268D	Cable		X		
C1268G	Cable		X		
C1268F	Cable		X		

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 293-132-268

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1273G	Cable		X			
C1273F	Cable		X			
C1273A	Cable		X			
C1273E	Cable		X			
C1273B	Cable		X			
C1273J	Cable		X			
C1273H	Cable		X			
C1273D	Cable		X			
C1268G	Cable		X			
C1273G	Cable		X			
C1132L	Cable		X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 260-264

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1260G	Cable		X			
C1260A	Cable		X			
C1260E	Cable		X			
C1260B	Cable		X			
C1260J	Cable		X			
C1260H	Cable		X			
C1260D	Cable		X			
C1260F	Cable		X			
C1264G	Cable		X			
C1264A	Cable		X			
C1264E	Cable		X			
C1264B	Cable		X			
C1264J	Cable		X			

MIL/STONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 264-127-290

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1264H	Cable		X			
C1264D	Cable		X			
C1127B	Cable		X			
C1127C	Cable		X			
C1127A	Cable		X			
C1290C	Cable		X			
C1290A	Cable		X			
C1290J	Cable		X			
C1290K	Cable		X			
C1290N	Cable		X			
C1290L	Cable		X			
C1290T	Cable		X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 290

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1290P	Cable		X		
C1290M	Cable		X		
C1290H	Cable		X		
C9631	Cable		X		
C9632	Cable		X		
C9629	Cable		X		
C9628	Cable		X		
C9630	Cable		X		
C9637	Cable		X		
C9636	Cable		X		
C9635	Cable		X		
C9638	Cable		X		
C9639	Cable		X		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 868-802-482-859-858

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1150	Cable		X			
C1868	Cable		X			
C1869	Cable		X			
C1802	Cable		X			
C1803	Cable		X			
C1482	Cable		X			
C1685	Cable		X			
C1858	Cable		X			
C1859	Cable		X			
C11125C	Cable		X			
C9846B	Cable		X			
C9821A	Cable		X			

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: 125V DC

EQUIPMENT:

25202 - Reference Dwg(s): 25202-

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C9837B	Cable		X		
C9915	Cable		X		
C11408	Cable		X		
C11408A	Cable		X		
C11408B	Cable		X		
D-2 (D.C. Comp)	Press. Sw.		X		
C11408C	Cable		X		
D.C. Comp (Motor)	Motor		X		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

ATMOSPHERIC CONTROL SYSTEM



SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 810

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 925	Panel		X	T21		
CRP 934	Panel		X	T21		
C1810A	Cable		X	T21	K10-1	
C1810B	Cable		X	T21	K10-1	
C1810C	Cable		X	T21	K10-1	
C1810D	Cable		X	T21	K10-1	
C1810K	Cable		X	T21	K1-30	
C1810E	Cable		X	T21-R19	K10-1	
PT1601-42	Press Xmtr		X	R10	Drywell Press.	
C1810F	Cable		X	T21-R10	K10-1	
PT1622	Press Xmtr		X	R10	Suppression Chamber	
LT1623A	Level Xmtr		X	R10	Suppression Chamber	

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 810

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1810G	Cable		X	R10-T21	K10-1
C1810J	Cable		X	R10-T21	K10-1
LT1623B	Level Xmtr		X	R10	
X102	Penetration	X		R10	
TE1625A	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811A)
TE1625B	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811B)
TE1625C	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811C)
TE1625D	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811D)
TE1625E	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811E)
TE1625F	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811F)
TE1625G	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811G)
TE1625H	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811H)
TE1625J	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811J)

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 810-811-812

PLANT I.D. No.	GENERIC NAME	COMPONENTS			REMARKS
		Inside	Outside	Fire Zone	
TE1625K	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811K)
TE1625L	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811L)
TE1625M	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811M)
TE1625N	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811N)
TE1625P	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811P)
TE1625R	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811R)
1601-36A	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811T)
1601-36B	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1811U)
C1812A	Cable		X	T21-R2C	K1-30
TE1626A	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1812B)
TE1626B	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1812C)
TE1626C	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1812D)
TE1626D	Thermocouple	X	X	R10-T21	K9-1-K9-4 (C1812E)

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 812

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
TE1626E	Thermocouple	X	X	R10	K9-1-K9-4 (C1812F)	
TE1626F	Thermocouple	X	X	R10	K9-1-K9-4 (C1812G)	
TE1626G	Thermocouple	X	X	R10	K9-1-K9-4 (C1812H)	
TE1626H	Thermocouple	X	X	R10	K9-1-K9-4 (C1812J)	
TE1626J	Thermocouple	X	X	R10	K9-1-K9-4 (C1812K)	
TE1626K	Thermocouple	X	X	R10	K9-1-K9-4 (C1812L)	
TE1626L	Thermocouple	X	X	R10	K9-1-K9-4 (C1812M)	
TE1626M	Thermocouple	X	X	R10	K9-1-K9-4 (C1812N)	
TE1626N	Thermocouple	X	X	R10	K9-1-K9-4 (C1812P)	
TE1626P	Thermocouple	X	X	R10	K9-1-K9-4 (C1812R)	
TE1626R	Thermocouple	X	X	R10	K9-1-K9-4 (C1812S)	
TE1626S	Thermocouple	X	X	R10	K9-1-K9-4 (C1812T)	
TE1626T	Thermocouple	X	X	R10	K9-1-K9-4 (C1812U)	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 813

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1813A	Cable		X	R10-T21	K2-3	
1601-8A	Pilot Solv		X	R10		
1601-8A	Limit Sw		X	R10		
1601-25	dPS		X	R10		
1601-8B	Limit Sw		X	R10		
1601-8B	Pilot Solv		X	R10		
C1813B	Cable		X	R10-T21	K2-3	
C1813C	Cable		X	R10-T21	K2-3	
C1813D	Cable		X	R10-T21	K2-3	
C1813E	Cable		X	R10-T21	K2-3	
C1813F	Cable		X	R10-T21	K2-3	
C1813G	Cable		X	R10-T21	K2-3	
C1813H	Cable		X	R10-T21	K2-3	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 813-814

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1813J	Cable		X	R10-T21	K2-3
C1814A	Cable		X	R10-T21	K2-3
C1814A	Cable		X	T21-R19	K10-1
1601-21	FCV		X	R19	
C1814B	Cable		X	R19-T21	K10-1
1624	PT		X	R19	
C1814N	Cable		X	R13	K10-1
C1814K	Cable		X	R13	K10-1
1601-69	Solv		X	Yard	Nitrogen Storage
1601-26	Solv		X	Yard	Nitrogen Storage
C1814G	Cable		X	R13-T21	K10-1
C1814W	Cable		X	R13-T21	K10-1
C1814H	Cable		X	R13-T21	K10-1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on 8

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 814

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
1601-37	F. Xmtr		X	R13	
CRP 934	Panel		X	T21	
C1814R	Cable		X	T13-T21	K10-1
1601-52	PS		X	Yard	Nitrogen Storage
1601-49	TS		X	Yard	Nitrogen Storage
1601-50	TS		X	Yard	Nitrogen Storage
C1814D	Cable		X	T21	K10-1
C1814S	Cable		X	T21	K10-1
C1814T	Cable		X	Yard	Nitrogen Storage
C1814U	Cable		X	Yard	Nitrogen Storage
C1814F	Cable		X	R13-T21	Nitrogen Storage
1601-65	FCV		X	R13	
C1814F	Cable		X	T21	K10-1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 8 Cont. on 9

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 816

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1816A	Cable		X	T21	K2-4	
C1816B	Cable		X	T21	K2-4	
C1816C	Cable		X	T21	K2-2	
C1816D	Cable		X	T21	K2-2	
C1816G	Cable		X	T21-R10	K2-3	
C1816E	Cable		X	T21-R10	K2-2	
C1816F	Cable		X	T21-R10	K2-3	
1601-19	Limit Sw		X	R13		
1601-19	Pilot Sol		X	R13		
1601-2	Limit Sw		X	R13		
1601-2	Pilot Sol		X	R13		
C1816W	Cable		X	T21	from N <sub>2</sub> storage	



## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 9 Cont. on 10

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 816-817

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1816S	Cable		X	T21	from N <sub>2</sub> storage	
C1816R	Cable		X	T21	from N <sub>2</sub> storage	
C1816N	Cable		X	T21	from N <sub>2</sub> storage	
C1816V	Cable		X	T21	from N <sub>2</sub> storage	
1601-28	Valve-Limit Sw		X	R13		
1601-64A	Sol Valve		X	Yard	N <sub>2</sub> Make up	
C1817A	Cable		X	T21	K2-4	
C1817B	Cable		X	T21	K2-4	
C1817C	Cable		X	T21	K2-2	
C1817D	Cable		X	T21	K2-2	
C1817G	Cable		X	R2D-T21	K2-3	
C1817E	Cable		X	R2D-T21	K2-2	
C1817F	Cable		X	R2D-T21	K2-2	

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 817

PLANT I.D. No.	GENERIC NAME	COMPONENTS		Fire Zone	REMARKS
		Inside	Outside		
C1817H	Cable		X	R2D-T21	K2-3
1601-18	Limit Sw-Solv		X	R2D	
1601-7	Limit Sw-Solv		X	R2D	
C1817X	Cable		X	R2D-T21	K10-1
C1817Z	Cable		X	R2D-T21	K10-1
C1817L	Cable		X	R2D-T21	K2-3
C1817J	Cable		X	R2D-T21	K2-2
C1817K	Cable		X	R2D-T21	K2-2
C1817R	Cable		X	R2D-T21	K2-3
C1817N	Cable		X	R2D-T21	K2-2
C1817P	Cable		X	R2D-T21	K2-2
C1817S	Cable		X	R2D-T21	K2-3

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 11 Cont. on 12

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 817-819-11119A

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
1601-64B	Drywell N2 Valve		X	R2D	
1601-6.C	Toru N2 Valve		X	R2D	
1601-11	Torus Vent R. Valve		X	R2D	
1601-24	Drywell Vent R. Valve		X	R2D	
1601-1	Drywell Vent Valve		X	R2D	
1601-29	Torus Vent Valve		X	R2D	
C1119A	Cable		X	T15A-T21	K9-2
C1119B	Cable		X	T15A-T21	K10-1
CRP 925	Panel		X	T21	
C1119H	Cable		X	T21	K10-1
C1119R	Cable		X	T21	K10-1
C1119J	Cable		X	T21	K10-1

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 12 Cont. on 13

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1119A-1120

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
C1119S	Cable		X	T21	K10-1
C1119K	Cable		X	T21	K10-1
C1119V	Cable		X	T21	K2-101
C1119T	Cable		X	T15A-T21	K1-23
C1119U	Cable		X	T15A-T21	K1-29
C1119W	Cable		X	R13-T21	K10-1
C1119Y	Cable		X	R13-T21	K10-1
HV-12A	Flow Sw		X	R13	
HV-12B	Flow Sw		X	R13	
C11120A	Cable		X	T15A-T21	K2-24
C11120	Cable		X	T15A	K1-27
C11120H	Cable		X	R13-T21	K2-24
C11120L	Cable		X	R13-T21	K2-22

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 13 Cont. on 14

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 112J

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C11120K	Cable		X	R13-T21		K2-22
C11120F	Cable		X	T15A-T21		K2-21
C11120E	Cable		X	R1-T21		K2-21
C11120D	Cable		X	R13-T21		K2-21
C11120M	Cable		X	T21		K10-1
1601-2B	Level Sw		X	R13		
C11121	Cable		X	R13-T15A		K1-27
C11121D	Cable		X	T15A-T21		K2-23
C11121E	Cable		X	R13		K2-2
C11121F	Cable		X	R13		K2-3
V12-19	Valve-Sw		X	R13		
C11121N	Cable		X	T15A-T21		K2-4
C11121M	Cable		X	R13-T21		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM:

EQUIPMENT: ATMOS. CONTROL SYSTEM

25202 - Reference Dwg(s): 25202-31001 Sh. 1121-1122

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C11121G	Cable		X	T15A-T21	K2-22	
C11121J	Cable		X	T15A-T21	K2-22	
C11121C	Cable		X	T15A-T21	K2-24	
C11121H	Cable		X	T15A-T21	K2-22	
C11121A	Cable		X	T15A-T21	K2-21	
C11121L	Cable		X	T21	K10-1	
C11122X	Cable		X	T15A-T21	K2-41	
C11122B	Cable		X	T15A-T21	K2-4	
C11122H	Cable		X	T15A	K2-2	
C11122J	Cable		X	T15A	K2-3	
C11122K	Cable		X	T15A	K2-2	
C11122L	Cable		X	T15A	K2-3	
C11122C	Cable		X	T15A-T21	K2-4	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 15 Cont. on 16

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1122

PLANT I.D. No.	GENERIC NAME	COMPONENTS			REMARKS	
		CNTMT LOCATION		Fire Zone	Misc.	
		Inside	Outside			
C11122D	Cable		X	T15A-T21	K2-4	
C11122M	Cable		X	T15A	K2-2	
C11122N	Cable		X	T15A-T21	K2-4	
C11122E	Cable		X	T15A	K2-2	
C11122R	Cable		X	T15A	K2-3	
C11122F	Cable		X	T15A-T21	K2-4	
C11122S	Cable		X	T15A	K2-2	
C11122T	Cable		X	T15A	K2-2	
C11122V	Cable		X	T15A	K2-3	
V12-17C	Inlet Damper		X	T15A		
V12-18a	Outside Damper		X	T15A		



SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1122

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
V12-17a	Outlet Damper		X	T15A		
V12-17d	Inlet Damper		X	T15A		
V12-18b	Outside Damper		X	T15A		
V12-17b	Outside Damper		X	T15A		
C11122Y	Cable		X	T15A	K2-41	
C11123	Cable		X	T15A	K1-27	
C11123G	Cable		X	T15A	K2-2	
C11123D	Cable		X	T15A	K2-41	
HVR-5A-2	Temp. Switch		X	T15A		
C11123B	Cable		X	T15A-T21	K2-24	
C11123C	Cable		X	T15A-T21	K2-21	
TE-5A	Temp. Switch		X	T15A-Ta1		
HVE-5A	Htg. Element		X	T15A		



SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1124-1125

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
HVE-5B	Htg. Element		X	T15A		
C11124	Cable		X	T15A	K1-27	
C11124G	Cable		X	T15A	K2-2	
HVE-5B	Flow Sw.		X	T15A		
C11124B	Cable		X	T15A-T21	K2-24	
C11124C	Cable		X	T15A-T21	K2-21	
TE-5B	Temp. Sw.		X	T15A		
C11124D	Cable		X	T15A	K2-41	
HVR-5B-2	Temp. Sw.		X	T15A		
C11125	Cable		X	T15A	K1-22	
HVE-1A	Exh. Fan Motor		X	T15A		
C11125A	Cable		X	T15A-T21	K2-40	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1125-1126-1127-1140

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
EP-1A	Disch. Damper		X	T15A		
C11126	Cable		X	T15A		K1-22
HVE-1B	Exh. Fan Motor		X	T15A		
C11126A	Cable		X	T15A-T21		K2-46
C11126C	Cable		X	T15A-T21		K2-2
EP-1B	Disch. Damper		X	T15A		
C11127	Cable		X	T15A		K1-22
HVE-1C	Exh. Fan Motor		X	T15A-T21		K2-46
C11127C	Cable		X	T15A-T21		K2-2
EP-1C	Disch. Damper		X	T15A		
C11140	Cable		X	T15A		K1-27
HVH24A	Air Handling Unit		X	T15B		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1125-1126-1127-1140

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C11140A	Cable		X	T15A-T21	K2-5	
C11140C	Cable		X	T15A-T21	K2-2	
C11140B	Cable		X	T15A	K2-2	
HVH24B	Air Handling Unit		X	T15B		
C11141A	Cable		X	T15A-T21	K2-5	
C11141C	Cable		X	T15A	K2-2	
HV24B	Flow Sw.		X	T15A		
HVH25	Air Handling Unit		X	T5A		

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1144-1145

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C11144F	Cable		X	R2B-T12	3/C #6
C11144G	Cable		X	T12	3/C #6
C11144H	Cable		X	T12	2/C #12
C11144J	Cable		X	T12	2/C #12
C11144K	Cable		X	T12	2/C #12
C11144L	Cable		X	T12	4/C #12
C11144A	Cable		X	Yard	Pump House to Stack
22A-2	MCC		X	Yard	Pump House
DP1S-20-S1	PS		X	Yard	Rad. Mon. Room
C11144B	Cable		X	Yard	Rad. Mon. Rm. to Fire Pump Hse.
C11145C	Cable		X	R2R-T12	3/C #6
C11145D	Cable		X	T12	3/C #6
C11145E	Cable		X	T12	3/C #6

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 21 Cont. on 22

SYSTEM: ATMOS. CONTROL SYSTEM

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1144-1145

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C11145F	Cable		X	T12	2/C #12	
C11145G	Cable		X	T12	2/C #12	
C11145H	Cable		X	T12	4/C #12	
C11145A	Cable		X	Yard	Stack to Pump House	
C11145B	Cable		X	Yard	3/C #12	
C11146H	Cable		X	R13	3/C AWG #14	
C11146	Cable		X	R13	3/C AWG #14	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: ATMOS. CONTROL SYSTEM

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 1145-1145A-1146

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C11145F	Cable		X	T12	2/C #12	
C11145G	Cable		X	T12	2/C #12	
C11145H	Cable		X	T12	4/C #12	
C11145A	Cable		X	Yard	Stack to Pump House	
C11145B	Cable		X	Yard	3/C #12	
C11146A	Cable		X	R13	3/C AWG #14	
C11146	Cable		X	R13	3/C AWG #14	

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

PROCESS RADIATION MONITOR



SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 825

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 902	Panel		X	T-21		
C1825 B	Cable		X	T-21	K1-30	
IAC-1	120 VAC Panel		X	T-21		
CRP 910	Panel		X	T-21		
C1825 M	Cable		X	T-21	Type #SI58720 K10-1	
C1825 P	Cable		X	T-21	Type #SI58720 K10-1	
C1825 L	Cable		X	T-21	Type #SI58720 K10-1	
C1825 N	Cable		X	T-21	Type #SI58720 K10-1	
C1825 D	Cable		X	R4-T21	RG59B/u(Antimicrodh) K7-5	
C1825 H	Cable		X	R4-T21	RG59B/u Commercial K7-3	
C1825 A	Cable		X	T21-T19A	K1-29	
C1825 K	Cable		X	R4-T21	RG59B/u Commerical K7-3	
C1825 F	Cable		X	R4-T21	K7-5	



MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 2 Cont. on 3

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 825-26A

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1825 C	Cable		X	R4-T21	K7-5	
C1825 G	Cable		X	R4-T21	K7-3	
B-170	Box		X	R4		
C1825 \$	Cable		X	T21	K1-29	
C1825 J	Cable		X	R4-T21	K7-3	
C1825 #	Cable		X	R4-T21	K7-5	
1734 A	Ganna Detector		X	R4	GE	
C1826 A	Cable		X	T21	K10-1	
C1826 B	Cable		X	T21	K10-1	
C1826 C	Cable		X	T15B-T21	K7-5	
C1826 #	Cable		X	T15B-T21	K7-3	
C1826 F	Cable		X	T15-T21	K7-3	
C1826 D	Cable		X	T15-T21	K7-5	

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 827-28

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1827 A	Cable		X	T15A-T21	K6-4	
C1827 C	Cable		X	R14-T21	K6-4	
C1827 B	Cable		X	T15A-T21	K6-4	
C1827 D	Cable		X	R14-T21	K6-4	
1735 A	Sensor & Conv.		X	T15A	GE	
C1827 E	Cable		X	T21	K10-1	
C1827 G	Cable		X	T21	K10-1	
C1827 G	Cable		X	T21	K10-1	
C1827 H	Cable		X	T21	K10-1	
C1828 A	Cable		X	R16-T21	K6-4	
C1828 B	Cable		X	T21	K6-4	
C1828 C	Cable		X	R16-T21	K6-4	

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 829

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
DC-1	24VDC Dist. Pnl.		X	T19A	
C1829 A	Cable		X	T19A-T21	K1-18
C1829 S	Cable		X	T21	K10-1
C1829 T	Cable		X	T21	RG108A/u #SI58720 #III
C1829 D	Cable		X	T1-T21	RG6A/u R7-7
C1829 G	Cable		X	T1-T21	K7-3
C1829 K	Cable		X	T1-T21	K7-3
C1839 N	Cable		X	T1	RG216A/u Tripple Shield
1728	Pluse Pre-Amp		X	T1	GE
C1829 L	Cable		X	R19-T21	K7-3
C1829 H	Cable		X	R19-T21	K7-3
C1829 E	Cable		X	R19-T21	K7-7
C1829 P	Cable		X	R19	K7-6

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 829-30

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1727	Scint. Detectors		X	T1		
C1829 F	Cable		X	RWA-T21	K7-7	
C1829 J	Cable		X	RWA-T21	K7-3	
C1829 M	Cable		X	RWA-T21	K7-3	
C1829 R	Cable		X	RWA	K7-6	
C1829 B	Cable		X	T21	K7-7	
VAC-1	120V Vital AC		X	T21		
C1830 R	Cable		X	T21	K1-30	
C1830 S	Cable		X	T21	K1-30	
C1830 N	Cable		X	T21	K10-1	
C1830 P	Cable		X	T21	K10-1	
C1830 A	Cable		X	T19A-T21	K1-18	
C1830 G	Cable		X	Stack-T21	K7-3	

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 830-31

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
2247	Rack		X	Stack Bldg.		
C1830 J	Cable		X	Stack-T21	K7-3	
C1830 E	Cable		X	Stack-T21	K7-7	
C1830 H	Cable		X	Stack-T21	K7-3	
C1830 K	Cable		X	Stack-T21	K7-3	
C1830 F	Cable		X	Stack-T21	K7-3	
C1830 D	Cable		X	Stack-T21	K7-3	
C1830 C	Cable		X	Stack-T21	K7-5	
C1831 B	Cable		X	T21	K10-1	
C1831 A	Cable		X	T21	K2-3	
C1831 L	Cable		X	T21	K2-3	
CRP 915	Panel		X	T21		
CRP 9.7	Panel		X	T21		

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 831-32

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1831 N	Cable		X	T21	K10-1	
C1831 M	Cable		X	T21	K10-1	
C1831 C	Cable		X	T21	K10-1	
C1831 D	Cable		X	T21	K10-1	
C1831 E	Cable		X	T21	K10-1	
C1831 F	Cable		X	T21	K10-1	
C1831 G	Cable		X	T21	K10-1	
C1831 H	Cable		X	T21	K10-1	
C1831 J	Cable		X	T21	K10-1	
C1831 K	Cable		X	T21	K10-1	
C1832 D	Cable		X	T21	K1-30	
C1832 E	Cable		X	T21	K2-2	
C1832 K	Cable		X	Stack	K2-2	

SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 832

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1832 N	Cable		X	Stack	K2-2	
FSO-8-6B	Sol Valve		X	Stack		
C1832 A	Cable		X	T21	K1-30	
C1832 B	Cable		X	Stack-T21	K1-33	
C1832 C	Cable		X	T21-Stack	K1-30	
C1832 R	Cable		X	T21	K1-30	
C1832 F	Cable		X	Stack-T21	K1-38	
C1832 H	Cable		X	Stack-T21	K1-38	
C1832 U	Cable		X	T21	K2-3	
C1832 T	Cable		X	T21	K2-3	
C1832 P	Cable		X	T21	K2-3	
CRP 924	Panel		X	T21		
B-66	Box		X	Stack		



SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 833

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1833 A	Cable		X	T21	K1-30
C1833 C	Cable		X	Stack-T21	K2-2
C1833 B	Cable		X	Stack-T21	K2-2
C1833 D	Cable		X	Stack-T21	K2-4
1729 C	Panel		X	Stack	
C1833 E	Cable		X	Stack-T21	K2-4
CRP 950	Panel		X	T21	
C1834 A	Cable		X	T21	K2-4
C1834 B	Cable		X	Stack-T21	K2-2
C1834 C	Cable		X	T21	K2-3
C1835 A	Cable		X	T21	K2-5
C1835 B	Cable		X	T21	K2-3
C1835 C	Cable		X	Stack-T21	K2-2



SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 836-37-38

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1836 A	Cable		X	T21	K2-2
C1836 B	Cable		X	T21	K2-2
C1836 C	Cable		X	T21	K2-2
CRP 917	Panel		X	T21	
C1837 B	Cable		X	Outside	X-K Bldg.
480V1-4 Compt. 1AR	MCC		X	Outside	Y-K Bldg.
C1837 C	Cable		X	T21-X-K Bldg.	K10-1
C1837 F	Cable		X	X-K Bldg.	K2-21
C1837 D	Cable		X	T21-T14	K10-1
C1837 A	Cable		X	T14-T19C	K1-48
C1838	Cable		X	X-K Bldg.	K2-2
C1838 H	Cable		X	X-K Bldg.	K2-2
C1838 G	Cable		X	X-K Bldg.	K2-2

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

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SYSTEM: PROCESS RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 838

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1838 L	Cable		X	X-K Bldg.	K2-2
C1838 B	Cable		X	X-K Bldg.	K10-1
C1838 C	Cable		X	X-K Bldg.	K10-1
C1838 M	Cable		X	X-K Bldg.	K2-2

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

FUEL POOL COOLING/FILTER

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: Rx Fuel Pool Clg./Filter

## EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001, Sh. 216

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS
		Inside	Outside	Fire Zone	
2-2 (E2)	MCC		x		
M4-11A	pump (motor)		x		
C11050	cable		x		
C11050A	cable		x		
1901-108A	P.S.		x		
C11050B	cable		x		
2216	loc. panel		x		
C11050F	cable		x		
TB1-X1	term. box		x		
222S	loc. panel		x		
C11050D	cable		x		
C11050C	cable		x		
C11050H	cable		x		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: Rx Fuel Pool Clg./Filter

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001, Ch. 216, 215

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
2213	rad. panel		x		
M4-11B	pump (motor)		x		
C11051	cable		x		
C11051B	cable		x		
PS1901-108B	P.S.		x		
LS1901-106	L.S.		x		
TB2X	term. box		x		
C11050E	cable		x		
2216	loc. panel		x		
C11051D	cable		x		
C11051K	cable		x		
C11051C	cable		x		
2215	panel		x		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

SYSTEM: Rx Fuel Pool Clg./Filter

EQUIPMENT:

25202 - Reference Dwg(s): 25202-21001, Sh. 1052

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
109A	P.S.		x			
109B	P.S.		x			
C11052F	cable		x			
FS1901-102	F.S.	x				
C11052E	cable	x				
X-103	penetration	x				
LS1901-101			x			
C11052D	cable		x			
LS1901-105	L.S.		x			
C11052C	cable		x			
LS1901-104	L.S.		x			
C11052B	cable		x			
FIS1901-107	F.S.					

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on       

SYSTEM: Rx Fuel Pool Clg./Filter

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001, Sh. 1052, 1054

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C11052A	cable		x		
C11052N	cable		x		
IAC-1-1	panel		x		
C11052J	cable		x		
CRP904	panel		x		
1-RC-30 (V4-82)	valve (motor)		x		
C11054	cable		x		
C11054B	cable		x		
1-RC-30	L.S.		x		
C11054A	cable		x		
1901-110A	TE		x		
1901-110B	TE		x		
1901-110C	TE		x		
1040-2	TR		x		

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

SERVICE WATER SYSTEM



SYSTEM: SERVICE WATER SYS.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 153,154,162

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
M4-7C (Motor)	Ser. Water 7C		X	Intake Structure	
C1153	Cable		X	T-19A	K1-6
A160V SWGR5, CUB10	SWGR.		X	T-19A	
C1153D	Cable		X	T-19A-T-21	K2-61
C1153B	Cable		X	T-19A-T-21	K2-47
CR-906	Panel		X	T-21	
C1153E	Cable		X	T-21	K2-2
CRP926	Panel		X	T-21	
M4-7D (Motor)	Ser. Water 7d		X	Intake Structure	
C1154	Cable		X	T-19B	K1-6
4160V SWGR6, CUB11	SWGR.		X	T-19B	
C1154D	Cable		X	F-19B-T-21	K2-61
C1154B	Cable		X	T19B-T-21	K2-47
C1154H	Cable		X	T19B-T-21	K2-2
C1154E	Cable		X	T-21	K2-42
C1154F	Cable		X	T-21-T-7	K2-41
Disel Gen. Ct. Cub.	Control Cub		X	T-7	

SYSTEM: SERVICE WATER SYS.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 153,154,162

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1SW-9 (V4-21)	M.O. Valve		X	T-5C		
C1162	Cable		X	T-5C-T-7	K1-27	
MCC922A-1) Compt. 2G	MCC		X	T-7		
C1162E	Cable		X	T-7	K2-2	
C1162F	Cable		X	T-7-T-21	K2-2	
C1162A	Cable		X	T-7-T-21	K2-2	
CRP906	Panel		X	T-2i		

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on       

SYSTEM: SERVICE WATER SYS.

EQUIPMENT:

25202 - Reference Dwg(s): 25202-3100 Sh. 162

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
L.S. (1-SW-9)	L.S.		X	T5C	VA-21
V4-18B (A0)	Thao. Cont. Val.		X	T5C	1-SW-27 (Diesel Outlet)
C1162B			X	T5C-T7	K2-5

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

SHUTDOWN COOLING

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 1 Cont. on 2

SYSTEM: Shutdown Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001, Sh. 855, 865

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
1002A	pump A (motor)		x			
C1855	cable		x			
C1855L	cable		x			
C1855A	cable		x			
C1855B	cable		x			
C1855C	cable		x			
1001-34A	pilot sol.		x			
1001-30A (via-GA)	sol.		x			
1002B	pump 1B (motor)		x			
C1865	cable		x			
C1865D	cable		x			
C1865A	cable		x			
C1865B	cable		x			

SYSTEM: Shutdown Cooling

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001, Sh. 865, 872

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1865B	cable		x			
C1865C	cable		x			
2220	rack		x			
1001-42A	P.S.		x			
1001-41A	P.S.		x			
1001-42B	P.S.		x			
1001-41B	P.S.		x			
1001-34B	sol.		x			
1001-30B	sol.		x			
1-RC-39 (V4-75)	valve (M.O)		x			
C1872	cable		x			
C1872A	cable		x			
C1872B	cable		x			
1-RC-39	L.S.		x			

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1  
ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

AREA RADIATION MONITOR

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 845

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1845 B	cable		X	T21	K2-39
C1845 A	Cable		X	T21	K1-30
IAC-1	210 VAC Panel		X	T21	
C1845 X	Cable		X	T21	K1-18
C1845 F	Cable		X	T21-R12	K6-5
C1845 S	Cable		X	R12	K6-4 SI54145 Vulkene
C1845 P	Cable		X	R12	K10-1
C1845 W	Cable		X	T21-R12	K6-4
C1845 V	Cable		X	T21-R12	K6-3
C1845 L	Cable		X	R12	K6-4
C1845 J	Cable		X	R12	K10-1
C1845 R	Cable		X	R12	K10-1
C1845 U	Cable		X	T21-R16	K6-4



SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 846

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1846 A	Cable		X	T21	K2-91	
C1846 B	Cable		X	T21-R3	K6-5	
C1846 M	Cable		X	R3	K6-4	
C1846 K	Cable		X	R3	K10-1	
C1846 L	Cable		X	R3	K10-1	
C1846 H	Cable		X	R3-T21	K1-30	
C1846 N	Cable		X	R3-T21	K1-30	
C1846 S	Cable		X	R3	K10-1	
C1846 R	Cable		X	R3	K10-1	
C1846 AE	Cable		X	T21-R12	K6-4	
C1846 T	Cable		X	R12	K6-4	
1803	Sensor		X	R-3	GE	
C1846 AF	Cable		X	T21-R14	K6-4	
C1846 U	Cable		X	T21-R19	K1-30	
C1846 X	Cable		X	R19	K10-1	
C1846 W	Cable		X	R19	K10-1	
C1846 AG	Cable		X	T21-R19	K6-5	
C1846 Y	Cable		X	R19	K6-4	
C1846 AH	Cable		X	T21-R14	K6-4	

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 3 Cont. on 4

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 846

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1846 Z	Cable		X	T21-T12	K1-30
C1846 AB	Cable		X	T12	K10-1
C1846 AA	Cable		X	T12	K10-1
C1846 AC	Cable		X	T12	K6-4
C1846 G	CABle		X	T21-T12	K6-4

MILLSTONE POINT UNIT I

MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 4 Cont. on 5

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 847

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
CRP 911	Panel		X	T21		
C1847 A	Cable		X	T21	K7-89	
C1847 B	Cable		X	T21	K7-91	
C1847 U	Cable		X	T21-T14	K6-4	
C1847 V	Cable		X	T21-T14	K6-4	
C1847 W	Cable		X	T21-T14	K6-4	
C1847 X	Cable	X		T21-R1	K6-4	
C1847 Y	Cable		X	T21-R2A	K6-4	
C1847 Z	Cable		X	T21-T12	K6-4	
C1847 AB	Cable		X	T21-R5	K6-4	
C1847 AC	Cable		X	R2A-T21	K6-4	
C1847 L	Cable		X	R2D-T21	K6-4	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 5 Cont. on 6

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh.847-48

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		REMARKS	
		Inside	Outside	Fire Zone	Misc.
C1847 M	Cable		X	T21-R3	K1-30
C1847 P	Cable		X	R3	K10-1
C1847 R	Cable		X	R3	K10-1
C1847 S	Cable		X	T21-R3	K6-5
C1847 T	Cable		X	R3	K6-4
C1848 A	Cable		X	T21	K2-8
C1848 R	Cable		X	T21-RWA	K6-5
C1848 P	Cable		X	RWA	K6-4
C1848 N	Cable		X	T21-RWA	K1-30
C1848 S	Cable		X	T21	K1-16
C1848 M	Cable		X	T9	K10-1
C1848 G	Cable		X	T9-T21	K6-5
C1848 H	Cable		X	T9	K6-4

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 6 Cont. on 7

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 848

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION			REMARKS	
		Inside	Outside	Fire Zone	Misc.	
C1848 J	Cable		X	T12-T21	K6-4	
C1848 K	Cable		X	T21-T5A	K6-4	
C1849 A	Cable		X	T21	K2-91	
C1849 U	Cable		X	RWA-T21	K6-4	
C1849 V	Cable		X	RWA-T21	K6-4	
C1849 W	Cable		X	RWA-T21	K6-4	
C1849 X	Cable		X	T21-RWB	K6-5	
C1849 F	Cable		X	RWB	K10-1	
C1849 H	Cable		X	RWB	K6-5	
C1849 G	Cable		X	RWB	K10-1	
C1849 J	Cable		X	RWB	K6-4	
C1849 K	Cable		X	RWB	K10-1	
C1849 P	Cable		X	RWB	K10-1	

## MILLSTONE POINT UNIT I

## MASTER CAT. 1 ELECTRICAL EQUIPMENT

Page: 7 Cont. on       

SYSTEM: AREA RADIATION MONITOR

EQUIPMENT:

25202 - Reference Dwg(s): 25202-31001 Sh. 849-50

COMPONENTS

PLANT I.D. No.	GENERIC NAME	CNTMT LOCATION		Fire Zone	REMARKS
		Inside	Outside		
C1849 N	Cable		X	RWB	K10-1
C1849 R	Cable		X	T21-RWB	K6-5
C1849 M	Cable		X	RWB	K1-30
C1849 S	Cable		X	RWB	K6-4
C1849 T	Cable		X	RWB-T21	K10-1
C1850 A	Cable		X	T21-XK Bldg.	Outside K1-38
C1850 B	Cable		X	X-K Bldg.	K1-38
C1850 C	Cable		X	X-K Bldg.	K1-38
C1850 D	Cable		X	T21-T14	K1-48
C1850 E	Cable		X	T14	K1-48
C1850 F	Cable		X	T14	K1-48
C1850 G	Cable		X	T14	K1-48

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

RESPONSES TO ENCLOSURE 3

OF MARCH 28, 1980

LETTER TO W. G. COUNCIL FROM D. L. ZIEMANN

JUNE, 1980



Millstone Unit 1 Environmental Qualification  
of Electrical Equipment

Responses to NRC Request for Plant Mass and Energy Inventories.

1. Rated reactor power is 2011. Megawatt Thermal.
2. Steam flow at full power is 7.94 million pounds per hour.
3. Fluid mass in the reactor system at full power  $4.57 \times 10^5$  pounds, including the liquid content of steam in the reactor. The equivalent mass at hot shutdown is  $5.09 \times 10^5$  pounds. This does not include mass of steam contained in the steam lines (Item 7).
4. The fluid energy in the reactor system at full power is  $2.58 \times 10^8$  BTU. At hot shutdown this is  $2.8 \times 10^8$  BTU.
5. The unrestricted flow area of the 20" main steam line is  $1.75 \text{ ft}^2$ . A flow restrictor in each main steam line is designed to limit flow to 190 percent of rated.
6. The main steam isolation valve closure time is a minimum of 3.5 seconds and a maximum of 10.5 seconds. This includes 0.5 seconds for sensing delays.
7. The mass of steam between the reactor vessel and the inner main steam isolation valves for the four lines is 1556.7 pounds.
8. The additional mass of steam included if the MSIV nearest the break fails to close is 78.9 pounds.
9. There are two basic pipe sizes in the feedwater system, 18 inch and 12 inch. The 18 inch pipe has a flow area of  $1.21 \text{ ft}^2$  and the 12 inch pipe is  $0.67 \text{ ft}^2$ . Short portions of 24 inch pipe have a flow area of  $2.15 \text{ ft}^2$ .
10. The main feedwater enthalpy is  $3^{12}.7$  pounds.
11. There are no main feedwater isolation valves that automatically close. Check valves act to prevent flow back out of containment. The feedwater regulating valves (flow control valves) will likely close on high water level after scram.  
  
As indicated in FSAR Section XIV-2.3.5, this should occur within 5 seconds. However, they will later reopen for either normal feedwater or FWCI flow to maintain reactor vessel water level.
12. The mass of feedwater between the reactor vessel and the feedwater regulating valves is approximately 21,012 pounds at  $287^{\circ}\text{F}$  and 57,628 pounds at  $368^{\circ}\text{F}$ .



13. Electrically operated valves are available near the feedwater regulating valves for remote manual actuation from the control room. Therefore, the information in response 12 applies.
  14. The mass of feedwater and condensate not included in response 12 and above 240°F is approximately 82,783 pounds at 287°F.
  15. The time of core spray injection following a main steam line break depends upon the break size and subsequent depressurization rate as well as whether offsite power is available or not. The core spray is a low pressure system with shutoff head of 300 psig. The minimum delay time after depressurization is 15 seconds.
  16. Each of the two core sprays is rated at 3600 gpm at 90 psid. Suction is from the suppression pool and can vary from approximately 80-150°F.
  17. The feedwater coolant injection (FWCI) system is a subsystem of normal feedwater and serves as a high pressure injection (flooding) system. Without loss of offsite power, this is continually available. With loss of offsite power, 90 second delay is involved to start the onsite power supply (gas turbine) and reach full flow. \*
- Additionally, low pressure coolant injection (LPCI) is available after depressurization below 300 psig. Minimum time of 23 seconds without loss of offsite power, after depressurization.
18. FWCI flow rate is 8,000 gpm, initially at 368°F (normal feedwater temperature) and will decrease with loss feedwater heaters. LPCI flow rate is 5,000 gpm per pump (maximum of 4) at 20 psi. Temperature is that of the suppression pool water.
  19. The sensible heat in the core and reactor system metal is  $9.12 \times 10^7$  BTU.

#### Additional Comments

The information provided in responses 15-18 regarding ECCS systems is subject to limiting single failures. Assuming loss of offsite power and loss of gas turbine, FWCI, 1 of 2 core sprays, and 2 of 4 LPCI would be unavailable. Assuming loss of offsite power and LPCI injection valve failure, 4 LPCI could be unavailable.

Millstone Unit 1 is a BWR/3 with a Mark I containment. Additional plant and ECCS information is provided in the FSAR.