

## 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

November 1, 1985

Docket No. 50-423  
B-11851

Director of Nuclear Reactor Regulation  
Mr. B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

- Reference: (1) B. J. Youngblood Letter to J. F. Opeka, Final Draft Technical Specifications, dated October 18, 1985  
(2) J. F. Opeka letter to B. J. Youngblood, Comments on Final Draft Technical Specifications, dated November 1, 1985

Dear Mr. Youngblood:

**MILLSTONE NUCLEAR POWER STATION, UNIT NO. 3**  
**FINAL DRAFT TECHNICAL SPECIFICATIONS**

Reference (1) transmitted Final Draft Technical Specifications for Millstone Unit No. 3 and requested comments from NNECO. Reference (2) provided comments based on our review of Reference (1). Attached are additional changes to three tables in the Final Draft Technical Specifications. These changes are necessary to reflect the as-built plant configuration for these components.

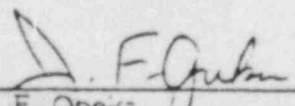
The items in Enclosure 1 consist of additions and deletions to Technical Specification Table 3.8-1, Containment Penetration Conductor Overcurrent Protective Devices. The items in Enclosure 2 consist of additions and deletions to Technical Specification Table 3.8-2a, Motor-Operated Valves Thermal Overload Protection With Bypass Devices Bypassed Only Under Accident Conditions. The items in Enclosure 3 consist of additions and deletions to Technical Specification Table 3.8-2b, Motor-Operated Valves Thermal Overload Protection Not Bypassed.

If there are any questions, please contact me as soon as possible.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY  
et. al.  
BY NORTHEAST NUCLEAR ENERGY COMPANY  
Their Agent

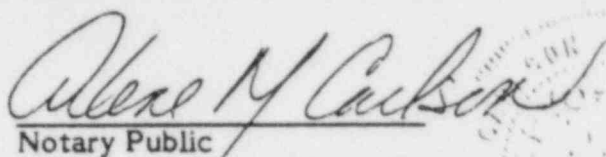
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 11-1-85  
J. F. Opeka  
Senior Vice President

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STATE OF CONNECTICUT   )  
                                  ) ss. Waterford  
COUNTY OF NEW LONDON )

Then personally appeared before me J. F. Cpeka, who being duly sworn, did state that he is Senior Vice President of Northeast Nuclear Energy Company, an Applicant herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Applicants herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

  
Notary Public



ENCLOSURE 1

ENCLOSURE 1

Additions to Technical Specification Table 3.8.-1

Containment Penetration Conductor Overcurrent Protective Devices

3-CDS-AOV 45A	Chilled Water Isolation Valve
3CDS-AOV 46A	Chilled Water Isolation Valve
3DAS-JB01	Aerated Drains Junction Box
3PGS-PNLD	Primary Grade Water
3MHR-CRN-3A	Material Handling Cranes in Containment
3MHR-CRN-3B	Material Handling Cranes in Containment
3MHR-CRN-3C	Material Handling Cranes in Containment
3MHR-CRN-3D	Material Handling Cranes in Containment
3MHR-CRN-4	Material Handling Cranes in Containment
3MHR-CRN-5	Material Handling Cranes in Containment
3HVU&CTV 39A, B	Containment Structure Ventilation System
3HVU-FN 1B	Containment Structure Ventilation System

OCT 16 1985

TABLE 3.8-1

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

<u>Device Number and Location</u>	<u>DELETE</u> <u>System Powered</u>
3RCS-HTR-24	Reactor Coolant System
3RCS-HTR-51	Reactor Coolant System
3RCS-HTR-52	Reactor Coolant System
3RCS-HTR-29	Reactor Coolant System
3RCS-HTR-57	Reactor Coolant System
3RCS-HTR-58	Reactor Coolant System
3RCS-HTR-34	Reactor Coolant System
3RCS-HTR-63	Reactor Coolant System
3RCS-HTR-64	Reactor Coolant System
3RCS-HTR-39	Reactor Coolant System
3RCS-HTR-69	Reactor Coolant System
3RCS-HTR-70	Reactor Coolant System
3RCS-HTR-44	Reactor Coolant System
3RCS-HTR-75	Reactor Coolant System
3RCS-HTR-76	Reactor Coolant System
3RCS-HTR-23	Reactor Coolant System
3RCS-HTR-49	Reactor Coolant System
3RCS-HTR-50	Reactor Coolant System
3RCS-HTR-28	Reactor Coolant System
3RCS-HTR-55	Reactor Coolant System
3RCS-HTR-56	Reactor Coolant System
3RCS-HTR-33	Reactor Coolant System
3RCS-HTR-61	Reactor Coolant System

OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

Device Number  
and Location

System Powered

3RHS\*MV8702B

Residual Heat Removal System

3RHS\*MV8702C

Residual Heat Removal System

3SIL\*MV8808B

Low Pressure Safety Injection System

3SIL\*MV8808D

Low Pressure Safety Injection System

3RHS\*MV8701A

Residual Heat Removal System

3RHS\*MV8701C

Residual Heat Removal System

3SIL\*MV8808A

Low Pressure Safety Injection System

3SIL\*MV8808C

Low Pressure Safety Injection System

3CCP\*A0V178B

Reactor Plant Component Cooling Water System

3CCP\*A0V179B

Reactor Plant Component Cooling Water System

3CCP\*A0V180B

Reactor Plant Component Cooling Water System

3CCP\*MOV48B

Reactor Plant Component Cooling Water System

3CDS\*CTV40B

Chilled Water System

3CDS\*SOV91B

Chilled Water System

3IAS\*MOV72

Instrument Air System

DELETE - SHOW  
ON PAGE 8-27

3HVU\*CTV33A &amp; B

Containment Structure Ventilation System

3RCS\*FIS418B

Reactor Coolant System

3RCS\*FIS428B

Reactor Coolant System

3RCS\*FIS438B

Reactor Coolant System

3RCS\*HCV442B

Reactor Coolant System

3RCS\*FIS448B

Reactor Coolant System

3RCS\*MV8001B

Reactor Coolant System

3RCS\*MV8001D

Reactor Coolant System

FINAL DRAFT

OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICESDevice Number  
and LocationSystem Powered

3CDS\*SOV91A

Chilled Water System

3HVU\*CTV33A&amp;B

Containment Structure Ventilation System

3RCS\*FIS418B

Reactor Coolant System

3RCS\*FIS438B

Reactor Coolant System

3RCS\*MV8001A

Reactor Coolant System

3RCS\*MV8001C

Reactor Coolant System

3RCS\*MV8002A

Reactor Coolant System

3RCS\*MV8002C

Reactor Coolant System

3RCS\*MV8003A

Reactor Coolant System

3RCS\*MV8003C

Reactor Coolant System

3SIL\*SV8875E

Low Pressure Safety Injection System

3SIL\*SV8875G

Low Pressure Safety Injection System

3CCP\*AOV178D

Reactor Plant Component Cooling Water System

3CCP\*MOV222

Reactor Plant Component Cooling Water System

3CCP\*MOV223

Reactor Plant Component Cooling Water System

3CCP\*MOV224

Reactor Plant Component Cooling Water System

3CCP\*MOV225

Reactor Plant Component Cooling Water System

3CHS\*MV8112

Chemical and Volume Control System

3CHS\*AV8147

Chemical and Volume Control System

3CHS\*AV8149A

Chemical and Volume Control System

3CHS\*AV8149B

Chemical and Volume Control System

3CHS\*AV8149C

Chemical and Volume Control System

3CHS\*CV8160

Chemical and Volume Control System

3GSN\*CTV105

Nitrogen Supply System

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TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

<u>Device Number and Location</u>	<u>System Powered</u>
3RHS*MV8701C	Residual Heat Removal System
3RMS*RM41	Radiation Monitoring System
3SIL*SV8875A	Low Pressure Safety Injection System
3SIL*SV8875C	Low Pressure Safety Injection System
* 3SIL*CV8890A	Low Pressure Safety Injection System
3SIL*HCV943A	Low Pressure Safety Injection System
3SIL*MV8808A	Low Pressure Safety Injection System
3SIL*MV8808C	Low Pressure Safety Injection System
SIS Valve Ann	Safety Injection System
3CDS-AOV53A	Chilled Water System
3PGS-LV49	Primary Grade Water System
3SIH*AV8889A	High Pressure Safety Injection System
3SIL*SV8875A	Low Pressure Safety Injection System
3SIL*AV8877A	Low Pressure Safety Injection System
3SIL*AV8879A	Low Pressure Safety Injection System
3SIL*AV8889B	Low Pressure Safety Injection System
3SIL*AV8872A	Low Pressure Safety Injection System
3SIL*SV8875C	Low Pressure Safety Injection System
3SIL*AV8877C	Low Pressure Safety Injection System
3SIL*AV8879C	Low Pressure Safety Injection System
3SIL*AV8872C	Low Pressure Safety Injection System
3CHS*AV8141A	Chemical and Volume Control System
3CHS*AV8141C	Chemical and Volume Control System

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OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

<u>Device Number and Location</u>	<u>System Powered</u>
3SSR*SOV31A	Reactor Plant Sampling System
3SSR*SOV28C	Reactor Plant Sampling System
3SSR*SOV31C	Reactor Plant Sampling System
3JB-0025	Junction Box
HTR-11, 12, 35	Pressurizer Heater System
HTR-15, 16, 40	Pressurizer Heater System
HTR-19, 20, 45	Pressurizer Heater System
3JB-0026	Junction Box
HTR-3, 4, 25	Pressurizer Heater System
HTR-7, 8, 30	Pressurizer Heater System
3JB-0025	Junction Box
HTR-13, 14, 37	Pressurizer Heater System
HTR-17, 18, 42	Pressurizer Heater System
3JB-0026	Junction Box
HTR-1, 2, 22	Pressurizer Heater System
HTR-5, 6, 27	Pressurizer Heater System
HTR-9, 10, 32	Pressurizer Heater System
3HVU-FNZE	Containment Structure Ventilation System
3DGS-P1A	Reactor Plant Gaseous Drains System
3DGS-P1B	Reactor Plant Gaseous Drains System
3DGS-P3A	Reactor Plant Gaseous Drains System
3DGS-P3B	Reactor Plant Gaseous Drains System
3LAR-PNL3RC10	Lighting in Reactor Building System
3LAR-PNL3RC2P	Lighting in Reactor Building System
3JRE-EL	Reactor Building Superstructure Loads
3MHR-CRN2	Material Handling Crane in Reactor Building
3CVS*MOV25	Containment Vacuum System

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OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

<u>Device Number and Location</u>	<u>System Powered</u>
3RCS-FIS417, 427, 437, 447	Reactor Coolant System
3RCS-TBP1B-4	Reactor Coolant System
3RCS-PS492	Reactor Coolant System
3RCS-TBPID-4	Reactor Coolant System
3RCS-PS494	Reactor Coolant System
3HVU-PNL-01A	Containment Structure Ventilation System
3HVU-PNL-01B	Containment Structure Ventilation System
3SSR*SOV24B	Reactor Plant Sampling System
3SSR*SOV28B	Reactor Plant Sampling System
3SSR*SOV31B	Reactor Plant Sampling System
3SSR*SOV28D	Reactor Plant Sampling System
3SSR*SOV31D	Reactor Plant Sampling System
3LAR-XLR1	Lighting in Reactor Building System
3LAR-XLR2	Lighting in Reactor Building System
3LAR-XLR3	Lighting in Reactor Building System
3LAR-XLR4	Lighting in Reactor Building System
3RCS*H1A	Reactor Coolant System
HTR-23,44,50	Pressurizer Heater System
HTR-28,55,56	Pressurizer Heater System
HTR-33,62,62	Pressurizer Heater System
HTR-38,67,68	Pressurizer Heater System
HTR-43,73,74	Pressurizer Heater System
3HVU-FN2A	Containment Structure Ventilation System
3HVU-FN2B	Containment Structure Ventilation System

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OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

Device Number  
and Location

System Powered

3RCS\*H1B

Reactor Coolant System

HTR-24, 51, 52

Pressurizer Heater System

3RCS-H1E

Reactor Coolant System

HTR-3, 4, 25

Pressurizer Heater System

3RCS-H1

Reactor Coolant System

3JB-0025

Junction Box

HTR-21, 47, 48

Pressurizer Heater System

HTR-26, 53, 54

Pressurizer Heater System

HTR-31, 59, 60

Pressurizer Heater System

3JB-0026

Junction Box

HTR-36, 65, 66

Pressurizer Heater System

HTR-41, 71, 72

Pressurizer Heater System

HTR-46, 77, 78

Pressurizer Heater System

3DAS-P1

Reactor Plant Aerated Drains System

3DAS-P10

Reactor Plant Aerated Drains System

3RCS-TBP1B-2

Reactor Coolant System

3RCS-TBP1D-2

Reactor Coolant System

3RDI-CABA

Reactor Rod Drive Instrumentation System

3RDI-CABB

Reactor Rod Drive Instrumentation System

3NMT-TB1

Neutron Monitoring Traverse Incore Probe System

3RCS-P1B1

Reactor Coolant System

3RCS-P1D1

Reactor Coolant System

3DAS-P2B

Reactor Plant Aerated Drains System

3RCS\*MVB001B

Reactor Coolant System

3RCS\*MVB001D

Reactor Coolant System

3RCS\*MVB002B

Reactor Coolant System

3RCS\*MVB002D

Reactor Coolant System

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OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

<u>Device Number and Location</u>	<u>System Powered</u>
3DGS-LS31	Reactor Plant Gaseous Drains System
3HVU-PNL-FLT-1B	Containment Structure Ventilation System
3IAC-PNLC1B	Containment Instrument Air System
3IAC-DRY1	Containment Instrument Air System
3RCS-PS492	Reactor Coolant System
3RCS-PS494	Reactor Coolant System
3RCS*MV8001B	Reactor Coolant System
3RCS*MV8002B	Reactor Coolant System
3RCS*MV8003B	Reactor Coolant System
3RCS*MV8001D	Reactor Coolant System
3RCS*MV8002D	Reactor Coolant System
3RCS*MV8003D	Reactor Coolant System
3IAC-PNLC1A	Containment Instrument Air System
3IAC-PNLC1B	Containment Instrument Air System
3HVU-F534A,B,C	Containment Structure Ventilation System
3HVU-PDIS20A, 21A, 22A, 23A	Containment Structure Ventilation System
3HVU-PDIS 20B, 21B, 22B, 23B	Containment Structure Ventilation System
3SSP*SOV1A	Plant Sampling System
3SSP*SOV2A	Plant Sampling System
3SSP*SOV1B	Plant Sampling System
3SSP*SOV2B	Plant Sampling System
3SSP*SOV1C	Plant Sampling System
3SSP*SOV1D	Plant Sampling System

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OCT 16 1985

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

Device Number  
and Location

~~DELETE~~  
System Powered

3RCS\*MV8003A

Reactor Coolant System

3RCS\*MV8003C

Reactor Coolant System

3CCP\*MOV226

Reactor Plant Component Cooling Water System

3CCP\*MOV227

Reactor Plant Component Cooling Water System

3CCP\*MOV228

Reactor Plant Component Cooling Water System

3CCP\*MOV229

Reactor Plant Component Cooling Water System

3CCP\*MOV48B

Reactor Plant Component Cooling Water System

3CMS\*MOV24

Containment Atmosphere Monitoring System

3IAS\*MOV72

Instrument Air System

3RCS\*MV8000A

Reactor Coolant System

3CCP\*MOV222

Reactor Plant Component Cooling Water System

3CCP\*MOV223

Reactor Plant Component Cooling Water System

3CCP\*MOV224

Reactor Plant Component Cooling Water System

3CCP\*MOV225

Reactor Plant Component Cooling Water System

3CCP\*MOV48A

Reactor Plant Component Cooling Water System

3CHS\*MV8112

Chemical and Volume Control System

3RCS\*MV8098

Reactor Coolant System

3RCS\*MV8000B

Reactor Coolant System

3RHS\*MV8702B

Residual Heat Removal System

3RHS\*MV8702C

Residual Heat Removal System

3SIL\*MV8808B

Low Pressure Safety Injection System

3SIL\*MV8808D

Low Pressure Safety Injection System

3RHS\*MV8701A

Residual Heat Removal System

3RHS\*MV8701C

Residual Heat Removal System

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B-21

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PAGE B-22

TABLE 3.8-1 (Cont)

CONTAINMENT PENETRATION CONDUCTOR  
OVERCURRENT PROTECTIVE DEVICES

Device Number  
and Location

System Powered

3SIL\*MV8808A

Low Pressure Safety Injection System

3SIL\*MV8808C

Low Pressure Safety Injection System

3HVU\*FN2B

Containment Structure Ventilation System

3JB\*0024

Junction Box

HTR-24, 51, 52

Pressurizer Heater System

HTR-29, 57, 58

Pressurizer Heater System

HTR-34, 63, 64

Pressurizer Heater System

HTR-39, 69, 70

Pressurizer Heater System

HTR-44, 75, 76

Pressurizer Heater System

HTR-23, 44, 50

Pressurizer Heater System

HTR-28, 55, 56

Pressurizer Heater System

HTR-33, 61, 62

Pressurizer Heater System

HTR-38, 67, 68

Pressurizer Heater System

HTR-43, 73, 74

Pressurizer Heater System

3HVU-FN2A

Containment Structure Ventilation System

3HVU-FN1B

Containment Structure Ventilation System

3HVU-FN1A

Containment Structure Ventilation System

3HVU-FN1C

Containment Structure Ventilation System

3HVU-FLT1B

Containment Structure Ventilation System

3HVU-FN3B

Containment Structure Ventilation System

3IAC-C1B

Containment Instrument Air System

3POP-JE3R1

Power Outlets General Purpose 3 Phase System

3MHR-CRN1

Material Handling Crane in Reactor Building

3RCS-P1C

Reactor Coolant System

3RCS-P1B

Reactor Coolant System

3RCS-P1A

Reactor Coolant System

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PAGE 8-21

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34

ENCLOSURE 2



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FINAL DRAFT

OCT 16 1985

TABLE 3.8-2a

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
(WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS)

DELETE - SAME COMMENT ON EVERY 17 OF THIS TABLE

VALVE NUMBER

SYSTEM(S)  
AFFECTED

3CCP*MOV45A	Containment Isolation Valve
3CCP*MOV45B	Containment Isolation Valve
3CCP*MOV48A	Containment Isolation Valve
3CCP*MOV48B	Containment Isolation Valve
3CCP*MOV49A	Containment Isolation Valve
3CCP*MOV49B	Containment Isolation Valve
3CCP*MOV222	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV223	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV224	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV225	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV226	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV227	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV228	Containment Air Recirculation Cooling Coil Supply
3CCP*MOV229	Containment Air Recirculation Cooling Coil Supply
3CHS*LCV112B	Volume Control Tank Outlet Isolation
3CHS*LCV112C	Volume Control Tank Outlet Isolation
3CHS*LCV112D	Volume Control Tank Outlet Isolation
3CHS*LCV112E	Volume Control Tank Outlet Isolation
3CHS*MVB100	Reactor Coolant Pump Seal Water Isolation
3CHS*MVB104	Boric Acid Filter to Charging Pump Isolation
3CHS*MVB105	Charging Pump to Reactor Coolant Isolation
3CHS*MVB106	Charging Pump to Reactor Coolant Isolation
3CHS*MVB109A	Reactor Coolant Pump Seal Water Isolation
3CHS*MVB109B	Reactor Coolant Pump Seal Water Isolation

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Delete

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TABLE 3.8-2b

FINAL DRAFT  
OCT 16 1985

TABLE 3.8-2a (Continued)

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS

DELETE

SYSTEM(S)  
AFFECTED

VALVE NUMBER

DELETE

3CHS*MV8109C	Reactor Coolant Pump Seal Water Isolation
3CHS*MV8109D	Reactor Coolant Pump Seal Water Isolation
3CHS*MV8110	Charging Pump Miniflow Isolation
3CHS*MV8111A	Charging Pump Miniflow Isolation
3CHS*MV8111B	Charging Pump Isolation
3CHS*MV8111C	Charging Pump Isolation
3CHS*MV8112	Reactor Coolant Pump Seal Water Isolation

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bypass

DELETE

3CHS*MV8116	Charging Header Isolation
3CHS*MV8438A	Charging Header Isolation
3CHS*MV8438B	Charging Header Isolation
3CHS*MV8438C	Charging Header Isolation
3CHS*MV8468A	Charging Pump Suction Isolation
3CHS*MV8468B	Charging Pump Suction Isolation
3CHS*MV8507A	Boric Acid Gravity Feed
3CHS*MV8507B	Boric Acid Gravity Feed

not  
auto  
bypass

DELETE

3CHS*MV8511A	Charging Pump Miniflow Control
3CHS*MV8511B	Charging Pump Miniflow Control
3CHS*MV8512A	Charging Pump Miniflow Control
3CHS*MV8512B	Charging Pump Miniflow Control
3CHS*MOV24	Containment Atmosphere Monitoring Inside Containment Isolation

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3FWA*MOV35A	Steam Generator Auxiliary Feedwater Pump Isolation
3FWA*MOV35B	Steam Generator Auxiliary Feedwater Pump Isolation
3FWA*MOV35C	Steam Generator Auxiliary Feedwater Pump Isolation
3FWA*MOV35D	Steam Generator Auxiliary Feedwater Pump Isolation

not  
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MOVE ALL NOT AUTO BYPASSED TO  
TABLE 3.8-2b

FINAL DRAFT

OCT 16 1985

TABLE 3.8-2 (Continued)

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS

		DELETE
VALVE NUMBER	SYSTEM(S) AFFECTED	
3RCS*MV8000A	Pressurizer Relief Isolation	not auto bypassed
3RCS*MV8000B	Pressurizer Relief Isolation	
DELETE → 3RCS*MV8098	Reactor to Excess Letdown Isolation	
3RHS*FCV610	Residual Heat Removal Pump Miniflow	
3RHS*FCV611	Residual Heat Removal Pump Miniflow	
3RHS*MV8701A	Residual Heat System Inlet Isolation	
3RHS*MV8701B	Residual Heat System Inlet Isolation	
DELETE → 3RHS*MV8701C	Residual Heat System Inlet Isolation	NOT AUTO BYPASS
3RHS*MV8702A	Residual Heat System Inlet Isolation	
3RHS*MV8702B	Residual Heat System Inlet Isolation	
DELETE → 3RHS*MV8702C	Residual Heat System Inlet Isolation	
DELETE → 3RHS*MV8716A	Residual Heat System Conn Isolation	not auto bypassed
3RHS*MV8716B	Residual Heat System Conn Isolation	
3RSS*MOV20A	Containment Recirculation Spray Header Isolation	
3RSS*MOV20B	Containment Recirculation Spray Header Isolation	
3RSS*MOV20C	Containment Recirculation Spray Header Isolation	
3RSS*MOV20D	Containment Recirculation Spray Header Isolation	
3RSS*MOV23A	Containment Recirculation Pump Suction	
3RSS*MOV23B	Containment Recirculation Pump Suction	
3RSS*MOV23C	Containment Recirculation Pump Suction	
3RSS*MOV23D	Containment Recirculation Pump Suction	
DELETE → 3RSS*MOV38A	Containment Recirculation Pump Miniflow	not auto bypass
3RSS*MOV38B	Containment Recirculation Pump Miniflow	

MOVE ALL NOT AUTO BYPASSED TO  
TABLE 3.8-2b

FINAL DRAFT  
OCT 16 1985

TABLE 3.8-2a (Continued)

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS

VALVE NUMBER	SYSTEM(S) AFFECTED	DELETE	not auto bypass
3RSS*MV8837A	Recirculation Spray System to Residual Heat Removal System Cross Connection	DELETE	not auto bypass
3RSS*MV8837B	Recirculation Spray System to Residual Heat Removal System Cross Connection		not auto bypass
3RSS*MV8838A	Recirculation Spray System to Residual Heat Removal System Cross Connection		not auto bypass
3RSS*MV8838B	Recirculation Spray System to Residual Heat Removal System Cross Connection		not auto bypass
3SIH*MV8801A	Charging Pump to Cold Leg Isolation		not auto bypass
3SIH*MV8801B	Charging Pump to Cold Leg Isolation		not auto bypass
3SIH*MV8802A	Safety Injection Pump to Hot Leg Isolation		not auto bypass
3SIH*MV8806	Refueling Water Storage Tank to Safety Injection Isolation		not auto bypass
3SIH*MV8807A	Safety Injection High & Connection to Low Pressure Safety Injection	DELETE	not auto bypass
3SIH*MV8813	High Pressure Safety Injection Pump Miniflow		not auto bypass
3SIH*MV8814	High Pressure Safety Injection Pump Miniflow	DELETE	not auto bypass
3SIH*MV8821A	Safety Injection Pump Discharge Isolation		not auto bypass
3SIH*MV8821B	Safety Injection Pump Discharge Isolation		not auto bypass
3SIH*MV8835	SIH Supply to LPSI		not auto bypass
3SIH*MV8920	High Pressure Safety Injection Pump Miniflow		not auto bypass
3SIH*MV8923A	Safety Injection Pump Suction		not auto bypass
3SIH*MV8923B	Safety Injection Pump Suction	DELETE	not auto bypass
3SIH*MV8924	Safety Injection/Charging Suction Cross Connection		not auto bypass
3SIL*MV8804A	Residual Heat Removal Pump to Charging Pump		not auto bypass
3SIL*MV8804B	Residual Heat Removal Pump to Charging Pump		not auto bypass
3SIH*MV8807B	Safety Injection High & Connection to Low Pressure Safety Injection	DELETE	not auto bypass

MILLSTONE - UNIT 3

3/4 2-47

not  
auto  
bypass

MOVE ALL NOT AUTO BYPASSED TO  
TABLE 3.8-2b

FINAL DRAFT

TABLE 3.8-2a (Continued)

OCT 16 1985

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS

VALVE NUMBER	SYSTEM(S) AFFECTED
3SIL*MV8808A	Accumulation Isolation
3SIL*MV8808B	Accumulation Isolation
3SIL*MV8808C	Accumulation Isolation
3SIL*MV8808D	Accumulation Isolation
3SIL*MV8809A	Residual Heat Removal Cold Leg Isolation
3SIL*MV8809B	Residual Heat Removal Cold Leg Isolation
3SIL*MV8812A	Refueling Water Storage Tank to Residual Heat Removal Pump
3SIL*MV8812B	Refueling Water Storage Tank to Residual Heat Removal Pump
3SIL*MV8840	Residual Heat Removal Hot Leg Isolation
3SWP*MOV24A	Service Water Backwash
3SWP*MOV24B	Service Water Backwash
3SWP*MOV24C	Service Water Backwash
3SWP*MOV24D	Service Water Backwash
3SWP*MOV50A	Reactor Plant Component Cooling Water Heat Exchanger
3SWP*MOV50B	Reactor Plant Component Cooling Water Heat Exchanger
3SWP*MOV54A	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV54B	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV54C	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV54D	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV57A	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV57B	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV57C	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV57D	Containment Recirculation Cooler Service Water Outlet
3SWP*MOV502B	Safety Injection Pump to Hot Leg Isolation

DELETE

not  
auto  
bypassed

DELETE

not  
auto  
bypassed

DELETE

not  
auto  
bypassed

MILLSTONE - UNIT 3

3/4 8-48



MOVE ALL NOT AUTO BYPASSED TO  
TABLE 3.8-2b

FINAL DRAFT

TABLE 3.8-2a (Continued)

OCT 16 1985

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
WITH BYPASS DEVICES BYPASSED ONLY UNDER ACCIDENT CONDITIONS

VALVE NUMBER	SYSTEM(S) AFFECTED	
3SWP*MOV71A	Turbine Plant Component Cooling Water Heat Exchanger	
3SWP*MOV71B	Turbine Plant Component Cooling Water Heat Exchanger	
3SWP*MOV102A	Service Water Pump Discharge	- accident signal does NOT not bypass AUTO BYPASSED
3SWP*MOV102B	Service Water Pump Discharge	
3SWP*MOV102C	Service Water Pump Discharge	
3SWP*MOV102D	Service Water Pump Discharge	
3SWP*MOV115A	Circulating Water Pump Bearing Lube Water Supply	
3SWP*MOV115B	Circulation Water Pump Bearing Lube Water Supply	
3SWP*MOV130A	Motor Control Center and Rod Control Service Water Isolation	
3SWP*MOV130B	Motor Control Center and Rod Control Service Water Isolation	
ADD → 3IAS+MOV72	Containment Instrument Air Isolation	

DELETE →

ENCLOSURE 3



FINAL DRAFT  
OCT 16 1985

TABLE 3.8-2b

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
NOT BYPASSED

VALVE NUMBER	SYSTEM(S) AFFECTED	
3CVS*MOV25	Containment Atmosphere Monitoring Isolation	- cannot be bypassed  - Are not Class DE MOV's  e
3FWS*MOV35A	Steam Generator Feedwater Pump Isolation	
DELETE → 3FWS*MOV35B	Steam Generator Feedwater Pump Isolation	
3FWS*MOV35C	Steam Generator Feedwater Pump Isolation	
3FWS*MOV35D	Steam Generator Feedwater Pump Isolation	
DELETE → 3IAS*MOV72	Containment Instrument Air Isolation	- auto bypassed should be moved to Table 3.8-2a
3LMS*MOV40A	Containment Open Pressure Tap Isolation	
3LMS*MOV40B	Containment Open Pressure Tap Isolation	
3LMS*MOV40C	Containment Open Pressure Tap Isolation	
3LMS*MOV40D	Containment Open Pressure Tap Isolation	
3MSS*MOV17A	Steam Generator Auxiliary Feedwater Pump Steam Supply Non-Return	
3MSS*MOV17B	Steam Generator Auxiliary Feedwater Pump Steam Supply Non-Return	
3MSS*MOV17D	Steam Generator Auxiliary Feedwater Pump Steam Supply Non-Return	
3MSS*MOV18A	Main Stream Pressure Relief Isolation	- no overload in circuit (as only armature)  e
3MSS*MOV18B	Main Stream Pressure Relief Isolation	
3MSS*MOV18C	Main Stream Pressure Relief Isolation	
DELETE → 3MSS*MOV18D	Main Stream Pressure Relief Isolation	
3MSS*MOV74A	Main Stream Pressure Relief Bypass	
3MSS*MOV74B	Main Stream Pressure Relief Bypass	
3MSS*MOV74C	Main Stream Pressure Relief Bypass	
3MSS*MOV74D	Main Stream Pressure Relief Bypass	
3QSS*MOV29A	Refueling Water Chemical Addition Tank Discharge	

OCT 16 1985

TABLE 3.8-2b (Continued)

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION  
NOT BYPASSED

<u>VALVE NUMBER</u>	<u>SYSTEM(S) AFFECTED</u>
3QSS*MOV29B	Refueling Water Chemical Addition Tank Discharge
3QSS*MOV34A	Quench Spray Isolation
3QSS*MOV34B	Quench Spray Isolation
3QSS*MOV44A	Quench Spray Pump Discharge
3QSS*MOV44B	Quench Spray Pump Discharge

DELETE →

~ valves  
 deleted

3RCS*MV8001A	Reactor Coolant Loop Stop (Hot)
3RCS*MV8001B	Reactor Coolant Loop Stop (Hot)
3RCS*MV8001C	Reactor Coolant Loop Stop (Hot)
3RCS*MV8001D	Reactor Coolant Loop Stop (Hot)
3RCS*MV8003A	Reactor Coolant Bypass Leg Stop
3RCS*MV8003B	Reactor Coolant Bypass Leg Stop
3RCS*MV8003C	Reactor Coolant Bypass Leg Stop
3RCS*MV8003D	Reactor Coolant Bypass Leg Stop
3RCS*MV8002A	Reactor Coolant Loop Stop (Cold)
3RCS*MV8002B	Reactor Coolant Loop Stop (Cold)
3RCS*MV8002C	Reactor Coolant Loop Stop (Cold)
3RCS*MV8002D	Reactor Coolant Loop Stop (Cold)

DELETE →

~ These are  
 non-Class I E MOV's

ADD "NOT AUTO BYPASSED" VALUES  
 FROM TABLE 3.8-2a