

**NORTHEAST UTILITIES**



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

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June 13, 1980

Docket Nos. 50-213  
50-245  
50-336  
A01060

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

- References:
- (1) B. H. Grier letter to W. G. Council dated March 13, 1980, transmitting I&E Bulletin No. 80-06.
  - (2) D. L. Ziemann letter to W. G. Council dated November 29, 1978, (Docket Nos. 50-213; 50-245; and 50-336).
  - (3) W. G. Council letter to D. L. Ziemann dated January 2, 1979, (Docket No. 50-245).
  - (4) W. G. Council letter to R. Reid dated January 3, 1979, (Docket No. 50-336).
  - (5) W. G. Council letter to D. L. Ziemann dated April 27, 1979, (Docket No. 50-245).
  - (6) W. G. Council letter to R. Reid dated April 27, 1979, (Docket No. 50-336).
  - (7) D. G. Eisenhut letter to All Light Water Reactors dated September 27, 1979.
  - (8) R. Reid letter to W. G. Council dated October 30, 1979, (Docket Nos. 50-245 and 50-336).
  - (9) W. G. Council letter to D. L. Ziemann and R. Reid dated November 13, 1979 (Docket Nos. 50-213; 50-245; and 50-336).
  - (10) R. Reid letter to W. G. Council dated December 11, 1979, (Docket No. 50-336).
  - (11) W. G. Council letter to R. Reid dated January 16, 1980, (Docket No. 50-336).
  - (12) W. G. Council letter to B. H. Grier dated April 24, 1979 (Docket No. 50-336).
  - (13) W. G. Council letter to B. H. Grier dated April 24, 1979, (Docket No. 50-213).
  - (14) W. G. Council letter to B. H. Grier dated April 24, 1979 (Docket No. 50-245 response to I&E Bulletin No. 79-08).
  - (15) W. G. Council letter to D. G. Eisenhut dated October 18, 1979 (Docket Nos. 50-213; 50-245; and 50-336).
  - (16) W. G. Council letter to H. R. Denton dated November 21, 1979 (Docket Nos. 50-213; 50-245; and 50-336).
  - (17) W. G. Council letter to H. R. Denton dated December 31, 1979 (Docket Nos. 50-213; 50-245; and 50-336).

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- (18) W. G. Council letter to H. R. Denton dated January 31, 1980 (Docket Nos. 50-213; 50-245; and 50-336).
- (19) W. G. Council letter to H. R. Denton dated December 13, 1979 (Docket No. 50-213).
- (20) W. G. Council letter to H. R. Denton dated January 17, 1980, (Docket No. 50-213).
- (21) W. G. Council letter to H. R. Denton dated February 7, 1980, (Docket No. 50-213).
- (22) H. R. Denton letter to W. G. Council dated January 2, 1980, (Docket No. 50-213).
- (23) W. G. Council letter to D. M. Crutchfield dated May 23, 1980.

Gentlemen:

Haddam Neck Plant  
Millstone Nuclear Power Station, Unit Nos. 1 and 2  
I&E Bulletin No. 80-06 - Engineered Safety Features Reset Control

In Reference (1), Connecticut Yankee Atomic Power Company (CYAPCO) and Northeast Nuclear Energy Company (NNECO) were requested to investigate the applicability of Staff concerns regarding the reset logic associated with all engineered safety feature components.

Reference (1) alludes to previous NRC communications relating to the subject Bulletin including NRR generic letters, TMI-related I&E Bulletins, and NUREG-0578. To facilitate Staff review of this issue, relevant docketed correspondence has been researched yielding the following information. References (2) through (11) relate to the subject of containment venting and purging for all three operating units and the issue of ESF components for Millstone Unit No. 2 only. References (12) through (14) relate to responses to the I&E Bulletin Nos. 79-06 and 79-08 series. References (15) through (18) relate to responses to the short-term lessons-learned requirements. Finally, References (19) through (21) relate to the Show Cause Order transmitted by Reference (22).

Reference (1) identifies three specific action items which are addressed as follows.

Item (1)

Review the drawings for all systems serving safety-related functions at the schematic level to determine whether or not upon the reset of an ESF actuation signal, all associated safety-related equipment remains in its emergency mode.

Response

The drawings for all systems serving safety-related functions have been reviewed at the schematic level to determine whether or not upon reset of an ESF actuation signal all safety-related equipment remains in its emergency mode. This review has been completed as documented in Attachments 1, 2, and 3, for the Haddam Neck Plant, Millstone Unit No. 1, and Millstone Unit No. 2, respectively. For each component, the following information is provided.

- (1) Equipment number
- (2) Equipment description
- (3) Schematic drawing number
- (4) Initiating engineered safety feature actuation signal
- (5) Fulfillment of acceptance criteria

A component was determined to be acceptable provided that reset of an ESF actuation signal did not result in a change of state for that component.

For the Haddam Neck Plant, the attachment indicates that no components with unacceptable reset logic were identified. In accordance with our commitment of Reference (23), the containment isolation valves associated with the reactor coolant pump auxiliaries are being removed from the high containment pressure and safety injection system actuation circuits. As such, the seven valves associated with these systems are not addressed in the attachment.

For Millstone Unit No. 1, a total of four components were found to be in non-compliance with the acceptance criteria. These are Items 13 - 16 of Attachment 2. The disposition of these components is provided in the response to Item 3 of Reference (1).

For Millstone Unit No. 2, as indicated on the attached sheets, Items 6, 9, 10, 13, 14, 15, 19, 20, 29, 36, 37, 38, 39, 48, 51, 52, 53, 54, 58, 61, 62, 78, 79, 80, 81, 82, 95, 104, 118, 132, 136, 180, and 187 were found not to comply with the acceptance criteria. The disposition of these components is provided in the response to Item 3 of Reference (1).

#### Item (2)

Verify the actual installed instrumentation and controls at the facility are consistent with the schematic reviewed in Item (1) above by conducting a test to demonstrate that all equipment remains in its emergency mode upon removal of the actuating signal and/or manual resetting of the various isolating or actuation signals. Provide a schedule for the performance of the testing in your response to this Bulletin.

#### Response

For all three units, it is intended that the testing requested above will be completed prior to startup from the 1980 refueling outages. It is noted that the testing completed to date has not identified any discrepancies between the schematics and the actual performance of the equipment. Subsequent to completion of the tests, documentation will be available at the respective sites for Staff inspection as required.

Item (3)

If any safety-related equipment does not remain in its emergency mode upon reset of an ESF signal at your facility, describe proposed system modification, design change, or other corrective action planned to resolve the problem.

Response

For the Haddam Neck Plant, no corrective actions beyond those identified in Reference (23) are necessary.

For Millstone Unit No. 1, circuitry modifications for Items 13 to 16 will be completed by January 1, 1981. Until the modifications are completed, operating procedures will be revised to inform plant operators of the equipment changes that occur upon reset of the accident signal. This measure will ensure that appropriate operator action will be taken following reset. The above procedure changes will be implemented by July 1, 1980.

For Millstone Unit No. 2, circuitry modifications for the 33 unacceptable items identified above will be completed by January 1, 1981. Emergency operating procedures have been revised to inform operators of the equipment changes that occur upon reset of accident signals. These revisions include a listing of all components affected and the change that occurs. This measure will ensure that appropriate operator action will be taken following reset.

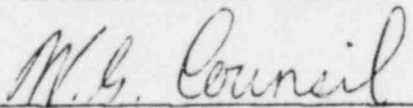
The exception to the above corrective measures regards Items 95 and 118 involving the control circuits for the containment sump isolation valves. NNECO review of the significance of the unacceptable items has determined that the control circuits containment sump isolation valves warranted modification during the current outage. Therefore, even though Attachment 3 indicates that Items 95 and 118 did not comply, the circuitry modifications and subsequent testing have been completed.

In summary, by January 1, 1981, all three operating units will have completed modifications such that the acceptance criterion of Reference (1) will be fulfilled for all ESF components. For those few components which do not currently comply, adequate administrative measures will be in effect to ensure continued safe operation of the facilities for the interim period.

We trust you find the above information satisfactory to resolve the Reference (1) concerns.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

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

Attachments



ATTACHMENT 1

HADDAM NECK PLANT

I&E BULLETIN NO. 80-06

ENGINEERED SAFETY FEATURES RESET CONTROL

JUNE, 1980

PLANT NAME: CONNECTICUT YANKEE

SHEET 1

DOCKET NO.: 50-213

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>       | <u>SCHEMATIC<br/>DWG. NO.<br/>(16103 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------------|--|---|---|
| 1           | F-17-1            | CTMT RECIRC FAN DMPR               | 32001 SH 11A                                     | CI/A&B  | YES   |
| 2           | F-17-2            | CTMT RECIRC FAN DMPR               | 32001 SH 11A                                     | CI/A&B  | YES   |
| 3           | F-17-3            | CTMT RECIRC FAN DMPR               | 32001 SH 11A                                     | CI/A&B  | YES   |
| 4           | F-17-4            | CTMT RECIRC FAN DMPR               | 32001 SH 11A                                     | CI/A&B  | YES   |
| 5           | TV-1811A          | REACTOR CTMT OPEN PRESS<br>ISO VLV | 32001 SH 11B                                     | CI/A  | YES   |
| 6           | TV-1812           | REACTOR CTMT OPEN PRESS<br>ISO VLV | 32001 SH 11B                                     | CI/A&B  | YES   |
| 7           | HICV-1840         | REACTOR CTMT SUMP DISCH<br>ISO VLV | 32001 SH 11B                                     | CI/A  | YES   |
| 8           | TV-1841           | REACTOR CTMT DRAIN LINE<br>ISO VLV | 32001 SH 11F 3B                                  | CI/A&B  | YES   |
| 9           | SOV-12-1          | RAD MON ISO VLV                    | 32001 SH 11B                                     | CI/C  | YES   |
| 10          | MOV-331           | RCR SEAL BYPASS                    | 32112 SH 26                                      | CI/C  | YES   |
| 11          | TV-1842A          | VLV STEM LEAKOFF HEADER            | 32001 SH 11F                                     | CI/A  | YES   |
| 12          | TV-1842B          | VLV STEM LEAKOFF HEADER            | 32001 SH 11F                                     | CI/B  | YES   |
| 13          | TV-1843           | VAPOR SEAL HEAD DRAIN<br>TK VLV    | 32001 SH 11F                                     | CI/A  | YES   |
| 14          | TV-1847           | DRAIN HEADER ISO VLV               | 32001 SH 11F                                     | CI/A  | YES   |
| 15          | TV-1312-1         | S.G. #1 BLOWDOWN ISO VLV           | 32001 SH 11B                                     | CI/A&B  | YES   |

PLANT NAME: CONNECTICUT YANKEE

SHEET 2

DOCKET NO.: 50-213

| ITEM | EQUIP. NO. | EQUIPMENT DESCRIPTION                     | SCHEMATIC<br>DWG. NO.<br>(16103 SERIES) | ENGINEERED<br>SAFETY ACTUATION<br>SIGNAL/CHANNEL | IE BULLETIN<br>80-06 CRITERIA<br>MET |
|------|------------|---|---|--|--------------------------------------|
| 16   | TV-1312-2  | S.G. #2 BLOWDOWN ISO VLV                  | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 17   | TV-1312-3  | S.G. #3 BLOWDOWN ISO VLV                  | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 18   | TV-1312-4  | S.G. #4 BLOWDOWN ISO VLV                  | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 19   | TV-1831    | NEUTRON SHIELD TK COOL/<br>WATER VLV      | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 20   | TV-1212    | MAIN STEAM LINE DRAIN TO<br>BLOWN TK VLV  | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 21   | TV-1213    | MAIN STEAM LINE DRAIN TO<br>CONDENSER VLV | 32001 SH 11B                            | CI/A&B   | YES                                  |
| 22   | TV-1846    | CMF SUMP PUMP DISCH VLV                   | 32001 SH 11F                            | CI/B   | YES                                  |
| 23   | TV-1844    | PZR PRESS RELIEF TK<br>DRAIN VLV          | 32001 SH 11F                            | CI/B   | YES                                  |
| 24   | TV-1845    | PZR PRESS RELIEF TK VENT<br>VLV           | 32001 SH 11F                            | CI/B   | YES                                  |
| 25   | TV-1848    | AIR ACTIVITY MONITOR<br>INLET VLV         | 32001 SH 11F                            | CI/B   | YES                                  |
| 26   | TV-1811B   | CTMT LEAK MONITOR VLV                     | 32001 SH 11F                            | CI/B   | YES                                  |
| 27   | AOV-202    | LETDOWN ORIFICE ISO VLV                   | 32001 SH 11B & 11F                      | CI/A&B   | YES                                  |
| 28   | AOV-203    | LETDOWN ORIFICE ISO VLV                   | 32001 SH 11B & 11F                      | CI/A&B   | YES                                  |
| 29   | AOV-204    | LETDOWN ORIFICE ISO VLV                   | 32001 SH 11B & 11F                      | CI/A&B   | YES                                  |



PLANT NAME: CONNECTICUT YANKEE

SHEET 3

DOCKET NO.: 50-213

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>       | <u>SCHEMATIC<br/>DWG. NO.<br/>(16103 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------------|--|---|---|
| 30          | AOV-554           | RELIEF TK DRAIN VLV                | 32001 SH 11B & 11F                               | CI/A  | YES   |
| 31          | AOV-558           | RELIEF TK VENT VLV                 | 32001 SH 11B & 11F                               | CI/A  | YES   |
| 32          | TV-950            | DRAIN HEADER SAMPLE<br>TRIP VLV    | 32112 SH 32A, B                                  | CI/A&B  | YES   |
| 33          | TV-955            | PRESS STEAM SAMPLE<br>TRIP VLV     | 32112 SH 32A, B                                  | CI/A&B  | YES   |
| 34          | TV-960            | PRESS LIQUID SAMPLE<br>TRIP VLV    | 32112 SH 32A, B                                  | CI/A&B  | YES   |
| 35          | TV-965            | LOOP #1 HOT LEG SAMPLE<br>TRIP VLV | 32112 SH 32A, B                                  | CI/A&B  | YES   |
| 36          | FCV-611           | DRAIN COOLER SHELL<br>OUTLET VLV   | 32001 SH 11B & 11F                               | CI/A&B  | YES   |
| 37          | MOV-861-C         | SI STOP VALVES                     | 32112 SH 29                                      | SI-/B   | YES   |
| 38          | MOV-861D          | SI STOP VALVES                     | 32112/29   | SI-4B   | YES   |
| 39          | MOV-871A          | DELUGE STOP VALVES                 | 32112/29   | SI-4B   | YES   |
| 40          | MOV-871B          | DELUGE STOP VALVES                 | 32112/29   | SI-4B   | YES   |
| 41          | SOV-796           | RES HT EX, FLOW CONTROL            | 32113/1  | SI-4B   | YES   |
| 42          | FCV-110           | CHARGING FLOW CONT                 | 32113/6  | SI-4B   | YES   |
| 43          | MOV-373           | REFUELING WATER INLET VLV          | 32112/29   | SI-4B   | YES   |
| 44          | MOV-861A          | SI STOP VALVES                     | 32112/29   | SI-4B   | YES   |

PLANT NAME: CONNECTICUT YANKEE

SHEET 4

DOCKET NO.: 50-213

| ITEM | EQUIP. NO. | EQUIPMENT DESCRIPTION               | SCHEMATIC<br>DWG. NO.<br>(16103 SERIES) | ENGINEERED<br>SAFETY ACTUATION<br>SIGNAL/CHANNEL | IE BULLETIN<br>80-06 CRITERIA<br>MET |
|------|------------|-------------------------------------|---|--|--------------------------------------|
| 45   | MOV-861B   | SI LOOP VALVES                      | 32112/29                                | SI-4B  | YES                                  |
| 46   | MOV-200    | LETDOWN ISOLATION VALVE             | 32112/28                                | SI-4B  | YES                                  |
| 47   | MOV-257    | VOLUME CONTROL TANK<br>OUTLET VALVE | 32112/29                                | SI-4B  | YES                                  |
| 48   | MOV-292B   | LOOP CHARGING VALVES                | 32112/29A                               | SI-4B  | YES                                  |
| 49   | MOV-292C   | LOOP CHARGING VALVES                | 32112/29A                               | SI-4B  | YES                                  |
| 50   | FCV-602    | BHR LOOP BYPASS FLOW CONT           | 32113/4                                 | SI-4B  | YES                                  |
| 51   | MOV-22     | CONT SUMP RHR SUCT                  | 10899-ESK-6T                            | SI-4B  | YES                                  |
| 52   | P92A       | LPSI PUMP (A)                       | 10899-ESK-5P                            | SI-4B  | YES                                  |
| 53   | P92B       | LPSI PUMP (B)                       | 10899-ESK-5P                            | SI-4B  | YES                                  |
| 54   | P15A       | HPSI PUMP (A)                       | 32112/9                                 | SI-4B  | YES                                  |
| 55   | P15B       | HPSI PUMP (B)                       | 32112/9                                 | SI-4B  | YES                                  |
| 56   | P-18-1A    | CHARGING PUMP (1A)                  | 32112/8                                 | SI-4B  | YES                                  |
| 57   | P-18-1B    | CHARGING PUMP (1B)                  | 32112/8                                 | SI-4B  | YES                                  |
| 58   | F-17-2     | RECIR FAN (2)                       | 32001/6DA                               | SI-4B  | YES                                  |
| 59   | F-17-1     | RECIR FAN (1)                       | 32001/6D                                | SI-4B  | YES                                  |
| 60   | F-17-3     | RECIR FAN (3)                       | 32001/6DC                               | SI-4B  | YES                                  |
| 61   | F-17-4     | RECIR FAN (4)                       | 32001/6D                                | SI-4B  | YES                                  |

PLANT NAME: CONNECTICUT YANKEE

SHEET 5

DOCKET NO.: 50-213

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>        | <u>SCHEMATIC<br/>DWG. NO.<br/>(16103 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|-------------------------------------|--|---|---|
| 62          | P-37-1C           | SERV WTR PUMP (1C)                  | 32001/6E   | SI-4B   | YES   |
| 63          | P-37-1D           | SERV WTR PUMP (1D)                  | 32001/6E   | SI-4B   | YES   |
| 64          | P-37-1B           | SERV WTR PUMP (1B)                  | 32001/6E   | SI-4B   | YES   |
| 65          | P-37-1A           | SERV WTR PUMP (1A)                  | 32001/6E   | SI-4B   | YES   |
| 66          | MOV-861C          | SI STOP VALVE                       | 32112 SH 29                                      | SI-/A   | YES   |
| 67          | MOV-861D          | SI STOP VALVE                       | 32112/29   | SI-4A   | YES   |
| 68          | MOV-871A          | DELUGE STOP VALVE                   | 32112/29   | SI-4A   | YES   |
| 69          | MOV-871B          | DELUGE STOP VALVE                   | 32112/29   | SI-4A   | YES   |
| 70          | MOV-200           | LETDOWN ISOLATION VALVE             | 32112/28   | SI-4A   | YES   |
| 71          | MOV-373           | REFUELING WATER INLET<br>VALVE      | 32112/29   | SI-4A   | YES   |
| 72          | MOV-861A          | SI STOP VALVES                      | 32112/29   | SI-4A   | YES   |
| 73          | MOV-861B          | SI STOP VALVES                      | 32112/29   | SI-4A   | YES   |
| 74          | MOV-257           | VOLUME CONTROL TANK<br>OUTLET VALVE | 32112/29   | SI-4A   | YES   |
| 75          | MOV-292B          | LOOP CHARGING VALVES                | 32112/29A  | SI-4A   | YES   |
| 76          | FCV-602           | RHR LOOP BYPASS FLOW CONT           | 32113/4  | SI-4A   | YES   |
| 77          | MOV-22            | CONT SUMP RHR SUCT                  | 10899-ESK-6T                                     | SI-4A   | YES   |

PLANT NAME: CONNECTICUT YANKEE

SHEET 6

DOCKET NO.: 50-213

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>SCHEMATIC<br/>DWG. NO.<br/>(16103 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|--|---|---|
| 78          | SOV-796           | RES HT EX FLOW CONT          | 32113/1  | SI-4A   | YES   |
| 79          | FCV-110A          | CHARGING FLOW CONT           | 32113/6A   | SI-4A   | YES   |
| 80          | P92A              | LPSI PUMP (A)                | 10899-ESK-5P                                     | SI-4A   | YES   |
| 81          | P92B              | LPSI PUMP (B)                | 10899-ESK-5P                                     | SI-4A   | YES   |
| 82          | P15A              | HPSI PUMP (A)                | 32112/9  | SI-4A   | YES   |
| 83          | P15B              | HPSI PUMP (B)                | 32112/9  | SI-4A   | YES   |
| 84          | P-18-1A           | CHARGING PUMP (1A)           | 32112/8  | SI-4A   | YES   |
| 85          | P-18-1B           | CHARGING PUMP (1B)           | 32112/8  | SI-4A   | YES   |
| 86          | F-17-2            | RECIR FAN (2)                | 32001/6DA  | SI-4A   | YES   |
| 87          | F-17-1            | RECIR FAN (1)                | 32001/6D   | SI-4A   | YES   |
| 88          | F-17-3            | RECIR FAN (3)                | 32001/6DC  | SI-4A   | YES   |
| 89          | F-17-4            | RECIR FAN (4)                | 32001/6D   | SI-4A   | YES   |
| 90          | P-37-1C           | SERV WTR PUMP (1C)           | 32001/6E   | SI-4A   | YES   |
| 91          | P-37-1D           | SERV WTR PUMP (1D)           | 32001/6E   | SI-4A   | YES   |
| 92          | P-37-1B           | SERV WTR PUMP (1B)           | 32001/6E   | SI-4A   | YES   |
| 93          | P-37-1A           | SERV WTR PUMP (1A)           | 32001/6E   | SI-4A   | YES   |

ATTACHMENT 2

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 1

I&E BULLETIN NO. 80-06

ENGINEERED SAFETY FEATURES RESET CONTROL

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 1

DOCKET NO.: 50-245MAIN STEAM SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 1           | 203-1A<br>(MS-1A) | INBD MAIN STEAM ISO VLV      | 478                                     | CI  | YES   |
| 2           | 203-1B<br>(MS-1B) | INBD MAIN STEAM ISO VLV      | 478                                     | CI  | YES   |
| 3           | 203-1C<br>(MS-1C) | INBD MAIN STEAM ISO VLV      | 478                                     | CI  | YES   |
| 4           | 203-1D<br>(MS-1D) | INBD MAIN STEAM ISO VLV      | 478                                     | CI  | YES   |
| 5           | 203-2A<br>(MS-2A) | OTBD MAIN STEAM ISO VLV      | 479                                     | CI  | YES   |
| 6           | 203-2B<br>(MS-2B) | OTBD MAIN STEAM ISO VLV      | 479                                     | CI  | YES   |
| 7           | 203-2C<br>(MS-2C) | OTBD MAIN STEAM ISO VLV      | 479                                     | CI  | YES   |
| 8           | 203-2D<br>(MS-2D) | OTBD MAIN STEAM ISO VLV      | 479                                     | CI  | YES   |
| 9           | 220-1<br>(MS-5)   | MAIN STEAM DRAIN ISO VLV     | 481                                     | CI  | YES   |
| 10          | 220-2<br>(MS-6)   | MAIN STEAM DRAIN ISO VLV     | 482                                     | CI  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 2

DOCKET NO.: 50-245FWCI SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 11          | 642A              | 'A' FEED REG VALVE           | 659                                     | RX LEVEL  | YES   |
| 12          | 642B              | 'B' FEED REG VALVE           | 659                                     | RX LEVEL  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 3

DOCKET NO.: 50-245ISOLATION CONDENSER SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>    | <u>EQUIPMENT DESCRIPTION</u>            | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|----------------------|---|---|---|---|
| 13          | 1-IC-1<br>(1301-1)   | RX VESSEL TO ISO COND                   | 880                                     | ICS   | NO  |
| 14          | 1-IC-2<br>(1301-2)   | RX VESSEL TO ISO COND                   | 881                                     | ICS   | NO  |
| 15          | 1-IC-3<br>(1301-3)   | ISO COND TO RX VESSEL                   | 882                                     | ICS   | NO  |
| 16          | 1-IC-4<br>(1301-4)   | ISO COND TO RX VESSEL                   | 883                                     | ICS   | NO  |
| 17          | 1-IC-17<br>(1301-17) | VENT TO MAIN STM LINE                   | 888                                     | RPS   | YES   |
| 18          | 1-IC-20<br>(1301-20) | VENT TO MAIN STM LINE                   | 888                                     | RPS   | YES   |
| 19          | 1C<br>(M7-28)        | EMERGENCY CONDENSATE TRANS-<br>FER PUMP | 335                                     | RPS   | YES   |
| 20          | 15G-10U              | GAS TURBINE & GEN REMOTE<br>CONTROL     | 1070                                    | ICS   | YES   |



PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 4

DOCKET NO.: 50-245EMERGENCY SERVICE WATER SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 21          | 1501-65A          | ESW PUMP 'A'                 | 763                                     | RPS   | YES   |
| 22          | 1501-65C          | ESW PUMP 'C'                 | 764                                     | RPS   | YES   |
| 23          | 1501-65B          | ESW PUMP 'B'                 | 788                                     | RPS   | YES   |
| 24          | 1501-65D          | ESW PUMP 'D'                 | 789                                     | RPS   | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1DOCKET NO.: 50-245CORE SPRAY SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>     | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-----------------------|------------------------------|---|---|---|
| 25          | 1401A<br>(M8-74A)     | CORE SPRAY PUMP              | 741                                     | SYS I   | YES   |
| 26          | 1402-24A<br>(V10-13A) | OUTBOARD ISO VALVE           | 745                                     | SYS I   | YES   |
| 27          | 1402-25A<br>(V10-14A) | INBOARD ISO VALVE            | 746                                     | SYS I   | YES   |
| 28          | 1402-9A<br>(V10-16A)  | TESTABLE CHECK VALVE         | 744                                     | SYS I   | YES   |
| 29          | 1402-3A<br>(V10-10A)  | PUMP SUCTION VALVE           | 742                                     | SYS I   | YES   |
| 30          | 1402-4A<br>(V10-17A)  | TEST BYPASS VALVE            | 743                                     | SYS I   | YES   |
| 31          | 1401B<br>(M8-74B)     | CORE SPRAY PUMP              | 752                                     | SYS II  | YES   |
| 32          | 1402-24B<br>(V10-13B) | OUTBOARD ISO VALVE           | 756                                     | SYS II  | YES   |
| 33          | 1402-25B<br>(V10-14B) | INBOARD ISO VALVE            | 757                                     | SYS II  | YES   |
| 34          | 1402-9B<br>(V10-16B)  | TESTABLE CHECK VALVE         | 755                                     | SYS II  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 6

DOCKET NO.: 50-245CORE SPRAY SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>    | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|----------------------|------------------------------|---|---|---|
| 35          | 1402-3B<br>(V10-10B) | PUMP SUCTION VALVE           | 753                                     | SYS II  | YES   |
| 36          | 1402-4B<br>(V10-17B) | TEST BYPASS VALVE            | 754                                     | SYS II  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 7

DOCKET NO.: 50-245SHUTDOWN COOLING SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>    | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|----------------------|------------------------------|---|---|---|
| 37          | 1002A                | 'A' SHUTDOWN PUMP            | 855                                     | CI  | YES   |
| 38          | 1-SD-2A<br>(1001-2A) | 'A' PUMP SUCTION VLV         | 858                                     | CI  | YES   |
| 39          | 1-SD-4A<br>(1001-4A) | 'A' PUMP DISCHARGE VLV       | 859                                     | CI  | YES   |
| 40          | 1-SD-1<br>(1001-1)   | INLET ISOLATION VALVE        | 863                                     | CI  | YES   |
| 41          | 1-SD-5<br>(1001-5)   | OUTLET ISOLATION VALVE       | 864                                     | CI  | YES   |
| 42          | 1002B                | 'B' SHUTDOWN PUMP            | 865                                     | CI  | YES   |
| 43          | 1-SD-2B<br>(1001-2B) | 'B' PUMP SUCTION VALVE       | 868                                     | CI  | YES   |
| 44          | 1-SD-4B<br>(1001-4B) | 'B' PUMP DISCHARGE VLV       | 869                                     | CI  | YES   |
| 45          | 1-HS-4<br>(205-2-5)  | RX HEAD COOL ISO VALVE       | 480                                     | CI  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 8

DOCKET NO.: 50-245AUTO DEPRESSURIZATION SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 46          | RV-203-3A         | BLOWDOWN VALVE               | 488                                     | ADS   | YES   |
| 47          | RV-203-3C         | BLOWDOWN VALVE               | 488                                     | ADS   | YES   |
| 48          | RV-203-3F         | BLOWDOWN VALVE               | 488                                     | ADS   | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 9

DOCKET NO.: 50-245LPCI/CTMNT COOLING SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>     | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-----------------------|------------------------------|---|---|---|
| 49          | 1502A                 | LPCI PUMP 'A'                | 761                                     | CH 1  | YES   |
| 50          | 1502C                 | LPCI PUMP 'C'                | 762                                     | CH 1  | YES   |
| 51          | 1-LP-7A<br>(V10-27A)  | HEAT EXCHANGER BYPASS        | 768                                     | LPCI  | YES   |
| 52          | 1-LP-26A<br>(V10-34A) | MIN FLOW BYPASS TO TORUS     | 769                                     | LPCI  | YES   |
| 53          | 1-LP-15A<br>(V10-3A)  | OTBD TO CONTAINMENT SPRAY    | 771                                     | CH 1  | YES   |
| 54          | 1-LP-16A<br>(V10-21A) | INBD TO CONTAINMENT SPRAY    | 772                                     | CH 1  | YES   |
| 55          | 1-LP-9A<br>(V10-29A)  | OTBD LPCI TO RECIRC          | 773                                     | CH 1  | YES   |
| 56          | 1-LP-10A<br>(V10-30A) | INBD LPCI TO RECIRC          | 774                                     | CH 1  | YES   |
| 57          | 1-LP-13A<br>(V10-20A) | OTBD TO TORUS SPRAY          | 776                                     | CH 1  | YES   |
| 58          | 1-LP-43A<br>(V10-4A)  | OTBD TEST LINE TO TORUS      | 777                                     | CH 1  | YES   |
| 59          | 1-LP-44A<br>(V10-28A) | INBD TEST LINE TO TORUS      | 778                                     | CH 1  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 10

DOCKET NO.: 50-245LPCI/CTMNT COOLING SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>     | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-----------------------|------------------------------|---|---|---|
| 60          | 1-LP-14A<br>(V10-5A)  | INBD TO TORUS SPRAY          | 779                                     | CH 1  | YES   |
| 61          | 1502B                 | LPCI PUMP 'B'                | 786                                     | CH 2  | YES   |
| 62          | 1502D                 | LPCI PUMP 'D'                | 787                                     | CH 2  | YES   |
| 63          | 1-LP-7B<br>(V10-27B)  | HEAT EXCHANGER BYPASS        | 793                                     | CH 2  | YES   |
| 64          | 1-LP-26B<br>(V10-34B) | MIN FLOW BYPASS TO TORUS     | 794                                     | CH 2  | YES   |
| 65          | 1-LP-15B<br>(V10-3B)  | OTBD TO CONTAINMENT SPRAY    | 796                                     | CH 2  | YES   |
| 66          | 1-LP-16B<br>(V10-21B) | INBD TO CONTAINMENT SPRAY    | 797                                     | CH 2  | YES   |
| 67          | 1-LP-9B<br>(V10-29B)  | OTBD LPCI TO RECIRC          | 798                                     | CH 2  | YES   |
| 68          | 1-LP-10B<br>(V10-30B) | INBD LPCI TO RECIRC          | 799                                     | CH 2  | YES   |
| 69          | 1-LP-13B<br>(V10-20B) | OTBD TO TORUS SPRAY          | 800                                     | CH 2  | YES   |
| 70          | 1-LP-43B<br>(V10-4B)  | OTBD TEST LINE TO TORUS      | 801                                     | CH 2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 11

DOCKET NO.: 50-245LPCI/CTMNT COOLING SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>     | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-----------------------|------------------------------|---|---|---|
| 71          | 1-LP-44B<br>(V10-28B) | INBD TEST LINE TO TORUS      | 802                                     | CH 2  | YES   |
| 72          | 1-LP-14B<br>(V10-5B)  | INBD TO TORUS SPRAY          | 803                                     | CH 2  | YES   |



PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 12

DOCKET NO.: 50-245ATMOSPHERIC CONTROL SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>  | <u>EQUIPMENT DESCRIPTION</u>         | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|--------------------|--------------------------------------|---|---|---|
| 73          | 1601-1<br>(AC-7)   | DRYWELL VENT VLV                     | 817                                     | CI  | YES   |
| 74          | 1601-2<br>(AC-8)   | DRYWELL & TORUS VENT TO<br>RX BLDG   | 816                                     | CI  | YES   |
| 75          | 1601-7<br>(AC-6)   | TORUS PURGE VALVE                    | 817                                     | CI  | YES   |
| 76          | 1601-11<br>(AC-12) | TORUS VENT RELIEF VALVE              | 817                                     | CI  | YES   |
| 77          | 1601-18<br>(AC-5)  | DRYWELL INERTING & PURVE VLV         | 817                                     | CI  | YES   |
| 78          | 1601-19<br>(AC-4)  | DRYWELL & TORUS VENT<br>FROM RX BLDG | 816                                     | CI  | YES   |
| 79          | 1601-24<br>(AC-9)  | DRYWELL VENT RELIEF VLV              | 817                                     | CI  | YES   |
| 80          | 1601-28<br>(AC-10) | VENT TO EMERG GAS TREATMENT          | 816                                     | CI  | YES   |
| 81          | 1601-29<br>(AC-11) | TORUS VENT VALVE                     | 817                                     | CI  | YES   |
| 82          | FCV-6-38A          | DRYWELL FLOOR DRAIN ISO VLV          | 969                                     | CI  | YES   |
| 83          | FCV-6-38B          | DRYWELL FLOOR DRAIN ISO VLV          | 969                                     | CI  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 13

DOCKET NO.: 50-245ATMOSPHERIC CONTROL SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 84          | FCV-6-33A         | DRYWELL EQUIP DRAIN ISO VLV  | 969                                     | CI  | YES   |
| 85          | FCV-6-33B         | DRYWELL EQUIP DRAIN ISO VLV  | 969                                     | CI  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1DOCKET NO.: 50-245RECIRC SAMPLE ISO SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 86          | 220-44<br>(SM-1)  | INBD RECIRC LOOP SAMPLE VLV  | 483                                     | CHA   | YES   |
| 87          | 220-45<br>(SM-2)  | OTBD RECIRC LOOP SAMPLE VLV  | 483                                     | CHB   | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 15

DOCKET NO.: 50-245RX CLEANUP SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u>    | <u>EQUIPMENT DESCRIPTION</u>          | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|----------------------|---------------------------------------|---|---|---|
| 88          | 1201-2<br>(1-CU-2)   | RX OUTLET ISO VLV                     | 684                                     | CHA   | YES   |
| 89          | 1201-5<br>(1-CU-3)   | INLET SYS ISO VLV                     | 685                                     | CHB   | YES   |
| 90          | 1201-7<br>(1-CU-5)   | AUX PMP SUCTION AND BACKUP<br>ISO VLV | 686                                     | CHB   | YES   |
| 91          | 1201-80<br>(1-CU-28) | RETURN ISO VLV                        | 687                                     | CHA   | YES   |
| 92          | 1201-2A<br>(1-CU-2A) | RX OUTLET BYPASS ISO VLV              | 684                                     | CHB   | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 16

DOCKET NO.: 50-245STANDBY GAS TREATMENT SYSTEM

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u> | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------|---|---|---|
| 93          | HVE-5A            | GAS TREATMENT FAN            | 1120                                    | RPS   | YES   |
| 94          | HVE-5B            | GAS TREATMENT FAN            | 1121                                    | PPS   | YES   |

PLANT NAME: MILLSTONE UNIT NO. 1

SHEET 17

DOCKET NO.: 50-245NUCLEAR BOILER

| <u>ITEM</u> | <u>EQUIP. NO.</u>   | <u>EQUIPMENT DESCRIPTION</u>  | <u>CWD'S<br/>SCHEMATIC<br/>DWG. NO.</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|---------------------|-------------------------------|---|---|---|
| 95          | 202-4A<br>(V10-37A) | RX RECIRC PUMP 'A' SUC VLV    | 442                                     | RPS   | YES   |
| 96          | 202-4B<br>(V10-37B) | RX RECIRC PUMP 'B' SUC VLV    | 459                                     | RPS   | YES   |
| 97          | 202-5A<br>(V10-38A) | RX RECIRC PUMP 'A' DISCH VLV  | 443                                     | RPS   | YES   |
| 98          | 202-5B<br>(V10-38B) | RX RECIRC PUMP 'B' DISCH VLV  | 460                                     | RPS   | YES   |
| 99          | 202-7A<br>(V10-39A) | RX RECIRC PUMP 'A' BYPASS VLV | 444                                     | RPS   | YES   |
| 100         | 202-7B<br>(V10-39B) | RX RECIRC PUMP 'B' BYPASS VLV | 461                                     | RPS   | YES   |

ATTACHMENT 3

MILLSTONE NUCLEAR POWER STATION, UNIT NO. 2

I&E BULLETIN NO. 80-06

ENGINEERED SAFETY FEATURES RESET CONTROL

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 1

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>       | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------------|--|---|---|
| 1           | P-41A             | HPSI PUMP                          | 32008 SH 1 & 69                                  | SIAS/1  | YES   |
| 2           | 2-SI-617          | HPSI FLOW CONTROL VLV              | 32008 SH 17                                      | SIAS/1  | YES   |
| 3           | 2-SI-627          | HPSI FLOW CONTROL VLV              | 32008 SH 18                                      | SIAS/1  | YES   |
| 4           | 2-SI-637          | HPSI FLOW CONTROL VLV              | 32008 SH 19                                      | SIAS/1  | YES   |
| 5           | 2-SI-647          | HPSI FLOW CONTROL VLV              | 32008 SH 20                                      | SIAS/1  | YES   |
| 6           | P-42A             | LPSI PUMP                          | 32008 SH 4 & 64                                  | SIAS/1  | NO  |
| 7           | 2-SI-615          | LPSI INJ FLOW CONTROL VLV          | 32008 SH 21                                      | SIAS/1  | YES   |
| 8           | 2-SI-625          | LPSI INJ FLOW CONTRGL VLV          | 32008 SH 22                                      | SIAS/1  | YES   |
| 9           | 2-SI-618          | SI CHECK VLV LEAK-OFF              | 32008 SH 56                                      | SIAS/1  | NO  |
| 10          | 2-SI-628          | SI CHECK VLV LEAK-OFF              | 32008 SH 57                                      | SIAS/1  | NO  |
| 11          | 2-CH-508          | B.A. TK DISCH BYPASS VLV           | 32009 SH 8                                       | SIAS/1  | YES   |
| 12          | 2-CH-509          | B.A. TK DISCH BYPASS VLV           | 32009 SH 9                                       | SIAS/1  | YES   |
| 13          | 2-CH-501          | VOL CONT TK DISCH VLV              | 32009 SH 6                                       | SIAS/1  | NO  |
| 14          | 2-CH-512          | VOL CONT TK MAKEUP VLV             | 32009 SH 21                                      | SIAS/1  | NO  |
| 15          | P-18A             | CHARGING PUMP                      | 32009 SH 40 & 48                                 | SIAS/1  | NO  |
| 16          | 2-CH-515          | CONDENSATOR COOLANT LETDOWN<br>VLV | 32009 SH 33                                      | SIAS/1  | YES   |



PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 2

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>          | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|---------------------------------------|--|---|---|
| 17          | P-5A              | SERVICE WATER PUMP                    | 32013 SH 5                                       | SIAS/1  | YES   |
| 18          | HV-6439           | TBCCW HX 'A' INLET VLV                | 32013 SH 20                                      | SIAS/1  | YES   |
| 19          | TV-6307           | RBCCW HX 'B' OUTLET VLV               | 32013 SH 41                                      | SIAS/1  | NO  |
| 20          | TV-6308           | RBCCW HX 'A' OUTLET VLV               | 32013 SH 40                                      | SIAS/1  | NO  |
| 21          | DG-H7A            | DIESEL GENERATOR H7A                  | 32041 SH 3                                       | SIAS/1  | YES   |
| 22          | P-11A             | RBCCW PUMP                            | 32015 SH 1                                       | SIAS/1  | YES   |
| 23          | HV-6080           | CTMT AIR RECIRC CLT 'A'<br>OUTLET VLV | 32015 SH 31                                      | SIAS/1  | YES   |
| 24          | HV-6088           | CTMT AIR RECIRC CLT 'C'<br>OUTLET VLV | 32015 SH 35                                      | SIAS/1  | YES   |
| 25          | HV-6315           | SFP HX 'A' DISCH VLV                  | 32015 SH 12                                      | SIAS/1  | YES   |
| 26          | HV-6731           | RBCCW SAFGRD RM HX<br>OUTLET VALVE    | 32015 SH 8                                       | SIAS/1  | YES   |
| 27          | P-122A            | VITAL SW/G RM CHILLED<br>WTR PUMP     | 32023 SH 44                                      | SIAS/1  | YES   |
| 28          | F-54A             | VITAL SW/G RM COOLING FAN             | 32021 SH 19                                      | SIAS/1  | YES   |
| 29          | 2-CH-196          | VCT BYPASS VLV                        | 32009 SH 54                                      | SIAS/1  | NO  |
| 30          | 2-SI-614          | SI TK OUTLET VLV                      | 32008 SH 12                                      | SIAS/1  | YES   |
| 31          | 2-SI-624          | SI TK OUTLET VLV                      | 32008 SH 38                                      | SIAS/1  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 3

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>           | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|--|--|---|---|
| 32          | F-14A             | CTMT AIR REC FAN                       | 32022 SH 1 & 55                                  | SIAS/1  | YES   |
| 33          | F-14C             | CTMT AIR REC FAN                       | 32022 SH 2 & 56                                  | SIAS/1  | YES   |
| 34          | F-15A             | ENGR SFGRD RM AIR REC FAN              | 32022 SH 17                                      | SIAS/1  | YES   |
| 35          | F-112A            | BATTERY ROOM ROOF EXH FAN              | 32021 SH 1                                       | SIAS/1  | YES   |
| 36          | HV-8846           | CHILLED WATER VLV TO<br>X-84A          | 32023 SH 47                                      | SIAS/1  | NO  |
| 37          | HV-8847           | CHILLED WATER VLV TO<br>X-85 & X-79    | 32023 SH 47                                      | SIAS/1  | NO  |
| 38          | HV-8848           | SERVICE WATER VLV TO<br>CHILLER X-168A | 32023 SH 47                                      | SIAS/1  | NO  |
| 39          | HV-8850           | CHILLED WATER MAKEUP ISO<br>VLV        | 32023 SH 47                                      | SIAS/1  | NO  |
| 40          | F-13A             | CEAM COOLING FAN                       | 32022 SH 5                                       | SIAS/1  | YES   |
| 41          | F-13C             | CEAM COOLING FAN                       | 32022 SH 7                                       | SIAS/1  | YES   |
| 42          | F-13B             | CEAM COOLING FAN                       | 32033 SH 6                                       | SIAS/2  | YES   |
| 43          | P-41C             | HPSI PUMP                              | 32008 SH 2 & 69                                  | SIAS/2  | YES   |
| 44          | 2-SI-616          | HPSI FLOW CONTROL VLV                  | 32008 SH 13                                      | SIAS/2  | YES   |
| 45          | 2-SI-626          | HPSI FLOW CONTROL VLV                  | 32008 SH 14                                      | SIAS/2  | YES   |
| 46          | 2-SI-636          | HPSI FLOW CONTROL VLV                  | 32008 SH 15                                      | SIAS/2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 4

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>       | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------------|--|---|---|
| 47          | 2-SI-646          | HPSI FLOW CONTROL VLV              | 32008 SH 16                                      | SIAS/2  | YES   |
| 48          | P-42B             | LPSI PUMP                          | 32006 SH 5 & 64                                  | SIAS/2  | NO  |
| 49          | 2-SI-635          | LPSI FLOW CONTROL VLV              | 32008 SH 23                                      | SIAS/2  | YES   |
| 50          | 2-SI-645          | LPSI FLOW CONTROL VLV              | 32008 SH 24                                      | SIAS/2  | YES   |
| 51          | 2-SI-638          | S.I. CHECK VLV LEAK-OFF            | 32008 SH 58                                      | SIAS/2  | NO  |
| 52          | 2-SI-648          | S.I. CHECK VLV LEAK-OFF            | 32008 SH 59                                      | SIAS/2  | NO  |
| 53          | P-19A             | BORIC ACID PUMP                    | 32009 SH 4                                       | SIAS/2  | NO  |
| 54          | P-19B             | BORIC ACID PUMP                    | 32009 SH 5                                       | SIAS/2  | NO  |
| 55          | 2-CH-514          | BORIC ACID TO CHARGING<br>LINE VLV | 32009 SH 10                                      | SIAS/2  | YES   |
| 56          | 2-CH-510          | BORIC ACID RECIRC VLV              | 32009 SH 24                                      | SIAS/2  | YES   |
| 57          | 2-CH-511          | BORIC ACID RECIRC VLV              | 32009 SH 25                                      | SIAS/2  | YES   |
| 58          | P-18C             | CHARGING PUMP                      | 32009 SH 43 & 48                                 | SIAS/2  | NO  |
| 59          | P-5C              | SERVICE WATER PUMP                 | 32013 SH 7                                       | SIAS/2  | YES   |
| 60          | HV-6438           | TBCCW HX 'B' INLET VLV             | 32013 SH 20                                      | SIAS/2  | YES   |
| 61          | TV-6306           | RBCCW HX 'C' OUTLET VLV            | 32013 SH 42                                      | SIAS/2  | NO  |
| 62          | TV-6307           | RBCCW HX 'B' OUTLET VLV            | 32013 SH 43                                      | SIAS/2  | NO  |
| 63          | DG-H7B            | DIESEL GENERATOR H7B               | 32041 SH 15                                      | SIAS/2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 5

DOCKET NO.: 50-336

| <u>ITEM</u>    | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>        | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|----------------|-------------------|-------------------------------------|--|---|---|
| 64             | P-11C             | RBCCW PUMP                          | 32015 SH 3                                       | SIAS/2  | YES   |
| 65             | HV-6084           | RBCCW AIR REC CLT 'B'<br>OUTLET VLV | 32015 SH 33                                      | SIAS/2  | YES   |
| 66             | HV-6092           | RBCCW AIR REC CLT 'D'<br>OUTLET VLV | 32015 SH 37                                      | SIAS/2  | YES   |
| 67             | HV-6316           | SFP HX 'B' DISCH VLV                | 32015 SH 13                                      | SIAS/2  | YES   |
| 68             | HV-6735           | RBCCW SAFGRD, RM HX<br>OUTLET VLV   | 32015 SH 9                                       | SIAS/2  | YES   |
| 6 <sup>o</sup> | HV-6739           | SAMPLE & DEGAS CLR<br>OUTLET VLV    | 32015 SH 38                                      | SIAS/2  | YES   |
| 70             | P-122B            | VITAL SW/G RM CHILLED<br>WTR PUMP   | 32023 SH 45                                      | SIAS/2  | YES   |
| 71             | F-54B             | VITAL SW/G RM COOLING FAN           | 32021 SH 20                                      | SIAS/2  | YES   |
| 72             | 2-SI-634          | SI TK OUTLET VLV TK #3              | 32008 SH 39                                      | SIAS/2  | YES   |
| 73             | 2-SI-644          | SI TK OUTLET VLV TK #4              | 32008 SH 40                                      | SIAS/2  | YES   |
| 74             | F-14B             | CTMT AIR RECIRC FAN                 | 32022 SH 3 & 57                                  | SIAS/2  | YES   |
| 75             | F-14D             | CTMT AIR RECIRC FAN                 | 32022 SH 4 & 58                                  | SIAS/2  | YES   |
| 76             | F-15B             | ENG SAFGRD RM AIR<br>RECIRC FAN     | 32022 SH 18                                      | SIAS/2  | YES   |
| 77             | F-112B            | BATTERY ROOM ROOF EXH FAN           | 32021 SH 2                                       | SIAS/2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 6

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>           | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|--|--|---|---|
| 78          | HV-8853           | CHILLED WATER TO X-84B                 | 32023 SH 48                                      | SIAS/2  | NO  |
| 79          | HV-8854           | CHILLED WATER TO X-84 &<br>X-79        | 32023 SH 48                                      | SIAS/2  | NO  |
| 80          | HV-8855           | CHILLED WATER MAKE-UP<br>ISO VLV       | 32023 SH 48                                      | SIAS/2  | NO  |
| 81          | HV-8856           | SERVICE WATER VLV TO<br>CHILLER X-169B | 32023 SH 48                                      | SIAS/2  | NO  |
| 82          | P-18B             | CHARGING PUMP                          | 32009 SH 41                                      | SIAS/5  | NO  |
| 83          | P-5B              | SERVICE WATER PUMP                     | 32013 SH 6                                       | SIAS/5  | YES   |
| 84          | P-11B             | RBCCW PUMP                             | 32015 SH 2                                       | SIAS/5  | YFS   |
| 85          | P-43A             | CTMT SPRAY PUMP                        | 32008 SH 6 & 69                                  | CSAS/1  | YES   |
| 86          | HV-3021           | CTMT SPRAY CONTROL VLV                 | 32008 SH 29                                      | CSAS/1  | YES   |
| 87          | P-43B             | CTMT SPRAY PUMP                        | 32008 SH 7 & 69                                  | CSAS/2  | YES   |
| 88          | HV-3022           | CTMT SPRAY CONTROL VLV                 | 32008 SH 30                                      | CSAS/2  | YES   |
| 89          | 2-CH-505          | RCP CONTROL BLEED-OFF<br>ISO VLV       | 32009 SH 30                                      | CIAS/1  | YES   |
| 90          | 2-CH-198          | RCP BLEED-OFF                          | 32009 SH 30                                      | CIAS/1  | YES   |
| 91          | HV-7311           | PMW CTMT ISO VLV                       | 32007 SH 31                                      | CIAS/1  | YES   |
| 92          | HV-4246           | S.G. #1 BLOWDOWN VLV                   | 32020 SH 14                                      | CIAS/1  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 7

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>    | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|---------------------------------|--|---|---|
| 93          | HV-4250           | S.G. #1 BLOWDOWN VLV            | 32020 SH 11                                      | CIAS/1  | YES   |
| 94          | HV-7690           | RC SAMPLING ISO VLV             | 32027 SH 3                                       | CIAS/1  | YES   |
| 95          | HV-9150           | CTMT DRAIN SUMP ISO VLV         | 32030 SH 3                                       | CIAS/1  | NO  |
| 96          | HV-9126           | WASTE GAS SURGE TK<br>INLET VLV | 32026 SH 2                                       | CIAS/1  | YES   |
| 97          | HV-9016           | PDT PUMP DISCH ISO VLV          | 32025 SH 11                                      | CIAS/1  | YES   |
| 98          | HV-8126           | CTMT PURGE OUTLET DAMPER        | 32022 SH 47                                      | CIAS/1  | YES   |
| 99          | HV-8127           | ENCL BLDG PURGE EXH<br>DAMPER   | 32022 SH 48                                      | CIAS/1  | YES   |
| 100         | HV-8121           | CTMT RAD MONITOR ISO VLV        | 32022 SH 26                                      | CIAS/1  | YES   |
| 101         | HV-8124           | CTMT RAD MONITOR ISO VLV        | 32022 SH 43                                      | CIAS/1  | YES   |
| 102         | HV-8050           | PURGE FAN INLET ISO DAMPER      | 32022 SH 29                                      | CIAS/1  | YES   |
| 103         | HV-8080           | CTMT PURGE INLET DAMPER         | 32022 SH 45                                      | CIAS/1  | YES   |
| 104         | HV-8081           | ENCL BLDG SUPPLY DAMPER         | 32022 SH 46                                      | CIAS/1  | NO  |
| 105         | F-39A             | CTMT RAD MONITOR FAN            | 32022 SH 14                                      | CIAS/1  | YES   |
| 106         | HV-8150           | CTMT H2 SAMPLE ISO VLV          | 32022 SH 30                                      | CIAS/1  | YES   |
| 107         | HV-8377           | H2 PURGE ISO VLV                | 32022 SH 59                                      | CIAS/1  | YES   |
| 108         | HV-8378           | H2 PURGE ISO VLV                | 32022 SH 60                                      | CIAS/1  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 8

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>   | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|--------------------------------|--|---|---|
| 109         | HV-7312           | N2 SUPPLY ISO VLV              | 32008 SH 49                                      | CIAS/2  | YES   |
| 110         | HV-2525           | REGEN HX DISCH TO LD HX        | 32009 SH 39                                      | CIAS/2  | YES   |
| 111         | 2-CH-516          | R.C. LETDOWN VLV               | 32009 SH 34                                      | CIAS/2  | YES   |
| 112         | 2-CH-506          | RCP BLEED-OFF ISO VLV          | 32009 SH 31                                      | CIAS/2  | YES   |
| 113         | HV-1060           | PZR STEAM SAMPLE VLV           | 32007 SH 28                                      | CIAS/2  | YES   |
| 114         | HV-1062           | PZR SURGE LINE SAMPLE VLV      | 32007 SH 29                                      | CIAS/2  | YES   |
| 115         | HV-1064           | RC HOT LEG SAMPLE VLV          | 32007 SH 30                                      | CIAS/2  | YES   |
| 116         | HV-4248           | S.G. #2 BLOWDOWN VLV           | 32020 SH 15                                      | CIAS/2  | YES   |
| 117         | HV-4251           | S.G. #2 BLOWDOWN SAMPLE<br>VLV | 32020 SH 12                                      | CIAS/2  | YES   |
| 118         | HV-9151           | CTMT SUMP PUMP ISO VLV         | 32030 SH 4                                       | CIAS/2  | NO  |
| 119         | HV-9125           | WASTE GAS INLET ISO VLV        | 32026 SH 1                                       | CIAS/2  | YES   |
| 120         | HV-9230           | PDT SAMPLE SHUTOFF VLV         | 32025 SH 17                                      | CIAS/2  | YES   |
| 121         | HV-9015           | PDT DISCH ISO VLV              | 32025 SH 10                                      | CIAS/2  | YES   |
| 122         | F-23              | CTMT PURGE SUPPLY FAN          | 32022 SH 10                                      | CIAS/2  | YES   |
| 123         | HV-8125           | CTMT PURGE EXH VLV             | 32022 SH 44                                      | CIAS/2  | YES   |
| 124         | HV-8128           | CTMT & ENCL BLDG EXH VLV       | 32022 SH 36                                      | CIAS/2  | YES   |
| 125         | HV-8122           | CTMT RAD MONITOR ISO VLV       | 32022 SH 27                                      | CIAS/2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 9

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>       | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|------------------------------------|--|---|---|
| 126         | HV-8082           | CTMT PURGE SUPPLY VLV              | 32022 SH 28                                      | CIAS/2  | YES   |
| 127         | F-39B             | CTMT RAD MONITOR FAN               | 32022 SH 15                                      | CIAS/2  | YES   |
| 128         | HV-8151           | CTMT H2 SAMPLE ISO VLV             | 32022 SH 31                                      | CIAS/2  | YES   |
| 129         | HV-8379           | H2 PURGE VENT TO EBFS PLE          | 32022 SH 61                                      | CIAS/2  | YES   |
| 130         | HV-8380           | H2 PURGE CTMT VENT                 | 32022 SH 62                                      | CIAS/2  | YES   |
| 131         | HV-8656           | CTMT AIR SAMPLE VLV                | 32022 SH 73                                      | CIAS/2  | YES   |
| 132         | P-42A             | LPSI PUMP                          | 32008 SH 4 & 64                                  | SRAS/1  | NO  |
| 133         | HV-6050           | RBCCW SHTDN HV OUTLET VLV          | 32015 SH 10                                      | SRAS/1  | YES   |
| 134         | HV-3008           | CTMT SUMP RECIRC VLV               | 32008 SH 25                                      | SRAS/1  | YES   |
| 135         | 2-SI-659          | SI PUMP RECIRC HDR<br>SHUT-OFF VLV | 32008 SH 54                                      | SRAS/1  | YES   |
| 136         | P-42B             | LPSI PUMP                          | 32008 SH 5 & 64                                  | SRAS/2  | NO  |
| 137         | HV-6055           | RBCCW SHTDN HX OUTLET VLV          | 32015 SH 11                                      | SRAS/2  | YES   |
| 138         | HV-3009           | CTMT SUMP RECIRC. VLV              | 32008 SH 24                                      | SRAS/2  | YES   |
| 139         | 2-SI-660          | SI PUMP RECIRC HDR<br>SHUT-OFF VLV | 32008 SH 55                                      | SRAS/2  | YES   |
| 140         | HV-8143           | FUEL HNDLG AREA VENT TO<br>PLENM   | 32022 SH 52                                      | EBFAS/1   | YES   |
| 141         | F-25A             | ENCL BLDG FILTRATION FAN           | 32022 SH 21                                      | EBFAS/1   | YES   |



PLANT NAME: MILLSTONE UNIT NO. 2

SHEET 10

DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>    | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|---------------------------------|--|---|---|
| 142         | HV-8695           | SJAE VENT ISO VLV               | 32022 SH 66                                      | EBFAS/1   | YES   |
| 143         | HV-8074           | ENCL BLDG SUC ISO DAMPER        | 32022 SH 35                                      | EBFAS/1   | YES   |
| 144         | HV-8153           | ENCL BLDG PLEN ISO DAMPER       | 32022 SH 37                                      | EBFAS/1   | YES   |
| 145         | HV-8247           | RADWASTE AREA EXH DAMPER        | 32021 SH 12                                      | EBFAS/1   | YES   |
| 146         | HV-8249           | RADWASTE AREA EXH DAMPER        | 32021 SH 14                                      | EBFAS/1   | YES   |
| 147         | F-32A             | CONTROL RM FILTER FAN           | 32023 SH 5                                       | EBFAS/1   | YES   |
| 148         | HV-8650           | CTMT CLEANUP DAMPER             | 32022 SH 67                                      | EBFAS/1   | YES   |
| 149         | HV-8062           | FUEL HNDLG AREA VENT TO<br>PLEN | 32022 SH 39                                      | EBFAS/2   | YES   |
| 150         | F-25B             | ENCL BLDG FILTRATION FAN        | 32022 SH 22                                      | EBFAS/2   | YES   |
| 151         | HV-8654           | SJAE VENT ISO VLV               | 32022 SH 65                                      | EBFAS/2   | YES   |
| 152         | HV-8070           | ENCL BLDG VENT ISO DMPR         | 32022 SH 50                                      | EBFAS/2   | YES   |
| 153         | HV-8063           | ENCL BLDG PLEN ISO DMPR         | 32022 SH 53                                      | EBFAS/2   | YES   |
| 154         | HV-8133           | RADWASTE AREA EXH DMPR          | 32021 SH 13                                      | EBFAS/2   | YES   |
| 155         | HV-8248           | RADWASTE AREA EXH DMPR          | 32021 SH 15                                      | EBFAS/2   | YES   |
| 156         | F-32B             | CONTROL RM FILTER FAN           | 32023 SH 6                                       | EBFAS/2   | YES   |
| 157         | HV-8651           | CTMT CLEANUP DMPR               | 32022 SH 68                                      | EBFAS/2   | YES   |
| 158         | HV-8143           | FUEL HNDLG AREA VENT TO<br>PLNM | 32022 SH 52                                      | AEAS/1  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>    | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|---------------------------------|--|---|---|
| 159         | F-25A             | ENCL BLDG FILTRATION FAN        | 32022 SH 21                                      | AEAS/1  | YES   |
| 160         | HV-8695           | SJAE VENT ISO VLV               | 32022 SH 66                                      | AEAS/1  | YES   |
| 161         | HV-8074           | ENCL BLDG VENT SUC ISO<br>DMPR  | 32022 SH 35                                      | AEAS/1  | YES   |
| 162         | HV-8153           | ENCL BLDG PLENUM ISO DMPR       | 32022 SH 37                                      | AEAS/1  | YES   |
| 163         | F-32A             | CONTROL RM FILTER FAN           | 32023 SH 38                                      | AEAS/1  | YES   |
| 164         | HV-8650           | CTMT CLEANUP DMPR               | 32022 SH 67                                      | AEAS/1  | YES   |
| 165         | F-20              | FUEL HNDLG AREA FAN             | 32021 SH 6                                       | AEAS/1  | YES   |
| 166         | HV-8275           | FUEL HNDLG AREA EXH DMPR        | 32021 SH 9                                       | AEAS/1  | YES   |
| 167         | HV-8141           | FUEL HNDLG AREA DMPR            | 32021 SH 8                                       | AEAS/2  | YES   |
| 168         | HV-8062           | FUEL HNDLG AREA ISO DMPR        | 32022 SH 39                                      | AEAS/2  | YES   |
| 159         | F-25B             | ENCL BLDG FILTRATION FAN        | 32022 SH 22                                      | AEAS/2  | YES   |
| 170         | HV-8654           | SJAE VENT ISO VLV               | 32022 SH 65                                      | AEAS/2  | YES   |
| 171         | HV-8070           | ENCL BLDG VENT SUCT ISO<br>DMPR | 32022 SH 50                                      | AEAS/2  | YES   |
| 172         | HV-8063           | ENCL BLDG PLENUM ISO DMPR       | 32022 SH 53                                      | AEAS/2  | YES   |
| 173         | F-32B             | CONTROL RM FILTER FAN           | 32023 SH 39                                      | AEAS/2  | YES   |
| 174         | HV-8651           | CTMT CLEANUP DAMPER             | 32022 SH 68                                      | AEAS/2  | YES   |

PLANT NAME: MILLSTONE UNIT NO. 2DOCKET NO.: 50-336

| <u>ITEM</u> | <u>EQUIP. NO.</u> | <u>EQUIPMENT DESCRIPTION</u>   | <u>SCHEMATIC<br/>DWG. NO.<br/>(25203 SERIES)</u> | <u>ENGINEERED<br/>SAFETY ACTUATION<br/>SIGNAL/CHANNEL</u> | <u>IE BULLETIN<br/>80-06 CRITERIA<br/>MET</u> |
|-------------|-------------------|--------------------------------|--|---|---|
| 175         | HV-8326           | FUEL HNDLG AREA ISO DMPR       | 32021 SH 10                                      | AEAS/2  | YES   |
| 176         | HV-4217           | S.G. #1 ISO VLV                | 32020 SH 18                                      | MSI/1   | YES   |
| 177         | HV-4221           | S.G. #1 ISO VLV                | 32020 SH 20                                      | MSI/1   | YES   |
| 178         | HV-4218           | S.G. #1 ISO VLV BYPASS         | 32020 SH 1                                       | MSI/1   | YES   |
| 179         | H-5A              | S.G. FEED PUMP TURBINE         | 32012 SH 7                                       | MSI/1   | YES   |
| 180         | HV-5419           | S.G. #1 FEEDWATER ISO VLV      | 32012 SH 25                                      | MSI/1   | NO  |
| 181         | FV-5268           | S.G. #1 FEEDWATER REG VLV      | 32012 SH 31                                      | MSI/1   | YES   |
| 182         | HV-4193           | MAIN STEAM LEG LOW PT<br>DRAIN | 32020 SH 45                                      | MSI/1   | YES   |
| 183         | HV-4217           | S.G. #1 ISO VLV                | 32020 SH 18                                      | MSI/2   | YES   |
| 184         | HV-4221           | S.G. #1 ISO VLV                | 32020 SH 20                                      | MSI/2   | YES   |
| 185         | HV-4222           | S.G. #2 ISO VLV BYPASS         | 32020 SH 2                                       | MSI/2   | YES   |
| 186         | H-5B              | S.G. FEED PUMP TURBINE         | 32012 SH 9                                       | MSI/2   | YES   |
| 187         | HV-5420           | S.G. #2 FEEDWATER ISO VLV      | 32012 SH 26                                      | MSI/2   | NO  |
| 188         | FV-5269           | S.G. #2 FEEDWATER REG VLV      | 32012 SH 32                                      | MSI/2   | YES   |
| 189         | HV-4209           | MAIN STEAM LEG LOW PT<br>DRAIN | 32020 SH 46                                      | MSI/2   | YES   |