

Dominion Nuclear Connecticut, Inc.
Millstone Power Station
Rope Ferry Road
Waterford, CT 06385



FEB 26 2004

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

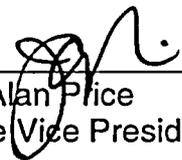
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DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 2
INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT

Dominion Nuclear Connecticut, Inc. (DNC), hereby submits the American Society of Mechanical Engineers (ASME), Section XI, Form OAR-1, Owner’s Activity Report for Refueling Outage 15 for Millstone Power Station, Unit 2.

If you have any questions or require additional information, please contact Mr. David W. Dodson at (860) 447-1791, extension 2346.

Very truly yours,



J. Alan Price
Site Vice President - Millstone

A047

Attachment:

1. Millstone Power Station Unit 2 Owner's Activity Report for Refueling Outage 15

Commitments made in this letter: None.

cc: U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. V. Nerses
Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
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Mr. S. M. Schneider
NRC Senior Resident Inspector
Millstone Power Station

Attachment 1

Millstone Unit 2

Owner's Activity Report for Refueling Outage 15

**Millstone Power Station
Dominion Nuclear Connecticut, Inc. (DNC)**

MILLSTONE POWER STATION

UNIT NO. 2

OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 15

Revision 0

Contents:

QAR-1 Report Number: MP2-2R15

- Table 1: Abstract of Examinations and Tests
- Table 2: Items With Flaws or Relevant Conditions That Required Evaluation for Continued Service.
- Table 3: Abstract of Repairs, Replacements, or Corrective Measures Required for Continued Service

Prepared By:

Rick A. Zuber
ISI Program Coordinator

Date:

2/18/04

Reviewed By:

Elizabeth B. Nisbet
Authorized Nuclear Inservice Inspector

Date:

Feb 18, 2004

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number MP2-2R15

Owner Dominion Nuclear Connecticut, Rope Ferry Road, Waterford Connecticut 06385
(Name and Address of Owner)

Plant Millstone Nuclear Power Station, Rope Ferry Road, Waterford Connecticut
(Name and Address of Plant)

Unit Number 2 Commercial Service Date 12/26/1975 Refueling Outage Number 15
(if applicable)

Current Inspection Interval 3rd
(1st, 2nd, 3rd.)

Current Inspection Period 2nd
(1st, 2nd, 3rd, 4th, other)

Edition and Addenda of Section XI Applicable to the Inspection Plan 1989 Edition, No Addenda and 1998 Edition, No Addenda for Subsection IWE/IWL

Date and Revision of Inspection Plan 06/21/96, Revision 02

Edition and Addenda of Section XI Applicable to Repairs and replacements, if Different N/A

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. N/A Expiration Date N/A
(if applicable)

Signed *Rick A. Zieker* ISI Program Coordinator Date 2/18/04
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by HSB CT of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period August 1, 2002 to November 30, 2003, and state to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Stephen J. ... Commissions it: NBS904 CT157 ANE LANE
Inspectors Signature National Board, State, Province and Endorsements

Date Feb 18, 2004

Table 1
ABSTRACT OF EXAMINATIONS AND TESTS (See Note 1)
 (Page 1 of 2)

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	28	0	0%	11%	See Note 2
B-B	9	2	22%	56%	
B-D	34	4	11%	47%	
B-E	N/A	0	0%	0%	Tracked under B-P pressure tests per approved Relief Request RR-89-16.
B-F	28	1	3%	42%	
B-G-1	219	36	16%	42%	
B-G-2	90	15	16%	48%	
B-H	1	0	0%	0%	Not required for Third Interval, MP-2 has elected to perform examination of one support skirt due to SG replacement in 1992. This is an augmented examination.
B-J	133	12	9%	39%	
B-L-1	2	0	0%	0%	See Note 2
B-L-2	2	0	0%	50%	
B-M-2	3	0	0%	0%	See Note 2
B-N-1	3	1	33%	66%	
B-N-2	15	0	0%	0%	See Note 2
B-N-3	33	0	0%	0%	See Note 2
B-O	15	0	0%	0%	See Note 2
B-P	12	2	16%	50%	Required for examination each refueling outage. The total examinations are based on 6 refueling outages anticipated during the interval.
C-A	7	2	28%	57%	
C-B	6	2	33%	66%	
C-C	36	1	2%	30%	
C-F-1	76	16	21%	50%	
C-F-2	19	4	21%	47%	

Table 1
ABSTRACT OF EXAMINATIONS AND TESTS (See Note 1)
 (Page 2 of 2)

Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
C-H	72	0	0%	33%	
D-A	4	0	0%	33%	
D-B	14	0	0%	33%	
D-C	8	0	0%	33%	
E-A	96 (32/period)	32	33%	66%	100% of the examination items are inspected each period
E-C	44	22	50%	50%	No Category E-C exams were required during the 1 st inspection period.
L-A	33	0	0	100%	See Note 3
L-B	9	0	0	100%	See Note 3
F-A	271	6	2%	35%	

Notes:

1. This report represents a summary of the inservice inspection activities performed at Dominion Nuclear Connecticut's Millstone Unit 2 power station during the fall of 2003 refueling outage (2R15). This is the 1st of 2 outages in the second period of the third inspection interval.
2. For this examination Category, deferral of examinations to later in the interval is permissible in accordance with ASME Section XI, IWB-2500-1 requirements.
3. The required examination frequency for this category is every 5 years. The total examinations credited to date for the interval reflect examinations completed based on this 5-year interval

Table 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Component ID	Item Description	Flaw Characterization (IWA-3300)	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
F-A	F1.30	Component Support 327125	Restraint	Incomplete thread engagement of one nut. The lack of full thread engagement was evaluated as acceptable for continued service.	Yes
F-A	F1.30	Component Support 427056	Restraint	Incomplete thread engagement on one nut. The lack of thread engagement was evaluated as acceptable for continued service	Yes
F-A	F1.30	Component Support 427110	Restraint	Gap exists between anchor plate and building wall. The slight gap was evaluated as acceptable for continued service with sufficient anchor bolt embedment.	Yes
F-A	F1.20	Component Support 402083	Snubber	Gap exists between anchor plate and building wall. The slight gap was evaluated as acceptable for continued service with sufficient anchor bolt embedment.	Yes

Table 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE

(Page 1 of 4)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/ Replacement Plan Number
3	Replacement	Heat Exchanger X-81C	Replace Helicoil Inserts	No	07/14/03	1029 M2-99-02307
3	Replacement	Spool Piece SK-4032	Replace Degraded Bolting	No	10/29/03	1109 M2-01-07646
1	Replacement	Reactor Coolant Pump P40A	Replace Seal Cartridge Assembly	No	10/29/03	1154 M2-01-04536
3	Repair	Spool Pieces SK-4262 & SK-4263	Weld Repair Flange Faces	No	10/23/03	1159 M2-01-04304
3	Repair	Spool Piece SK-4268A	Weld Repair Flange Face	No	10/29/03	1169 M2-02-00580
1	Replacement	Reactor Coolant Pump P40B	Replace Seal Flange Cap Screws	No	10/29/03	1179 M2-02-04314
1	Replacement	Reactor Coolant Pump P40C	Replace Seal Cartridge Flange Bolting	No	10/29/03	1187 M2-02-03681
1	Repair	Reactor Vessel Head CEDM's	Perform grinding and weld repair on 11 CEDM's identified as having PWSCC	No, Discovered during augmented inspection to comply with NRC Information Notice 2001-05 and NRC Bulletin 2001-01	10/29/03	1209 M2-01-08923
2	Replacement	HGR 1 on Line 2-CCB-6	Replace broken pipe clamp on support	No	10/29/03	1210 M2-01-05985
3	Replacement	Spool Piece P8	Fabricate and install replacement spool piece	No	03/22/03	1237 M2-03-02244
2	Replacement	Valve 2-MS-190A	Replace Plug/Seat Assembly	No	06/30/03	1239 M2-02-07484

Table 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE

(Page 2 of 4)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/ Replacement Plan Number
2	Replacement	Valve 2-MS-190A	Replace Plug/Seat Assembly	No	12/16/03	1240 M2-02-07485
2	Repair	W-52 and Identified Socket Welds	Repair W-52 and weld reinforce identified socket weld joints	No	06/27/03	1241 M2-03-02836
2	Replacement	Pipe Support HGR-512001	Replace load stud and repair clamp	No	11/17/03	1242 M2-02-12748
3	Replacement	Spool Piece SK-914	Install replacement spool piece	No	05/14/03	1246 M2-02-12725
2	Repair	Socket Weld Adjacent to 2-RC-285	Repair pin hole leak	No	04/09/03	1247 M2-03-03390
2	Replacement	Valve 2-CH-328	Replace nozzle check valve	No	05/21/03	1248 M2-03-03343
2	Replacement	Valve 2-CH-339	Replace nozzle check valve	No	04/09/03	1253 M2-03-03008
3	Repair	Socket Welded joint on Inlet to 2-SW-92C	Weld repair in accordance with CRED CR-03-05854	No	06/25/03	1259 M2-03-06952
3	Replacement	Heat Exchanger X-81B	Replace Helicoil Inserts	No	10/25/03	1267 M2-02-13224
3	Corrective Measure	Pump P-5-AP	Repack Pump	No	07/21/03	1268 M2-03-05512
3	Replacement	Spool Piece SK-4252	Install replacement spool piece	No	09/23/03	1270 M2-03-06336
3	Replacement	Vital AC Switchgear Cooling Coil X181A & B Return Piping	Replace Piping	No	06/14/03	1274 M2-03-06499
3	Replacement	Heat Exchanger X-81C	Replace Helicoil Inserts	No	06/10/03	1277 M2-02-15272

Table 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE

(Page 3 of 4)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/ Replacement Plan Number
3	Replacement	Heat Exchanger X-81A	Replace Helicoil Inserts	No	05/27/03	1278 M2-02-14521
3	Replacement	Valve 2-SW-177A	Replace Valve	No	07/18/03	1279 M2-99-02143
3	Replacement	Valve 2-SW-180A	Replace Valve	No	07/18/03	1280 M2-99-02130
3	Replacement	Line 18"-EBD(A)-8	Replace portion of piping	No	12/09/03	1288 M2-03-03974
3	Replacement	Line 18"-EBD(A)-8	Replace portion of piping	No	12/09/03	1289 M2-02-13760
3	Replacement	Line 18"-EBD(A)-8	Replace portion of piping	No	12/09/03	1290 M2-03-03975
3	Replacement	Line 18"-EBD(A)-8	Replace portion of piping	No	12/09/03	1297 M2-03-03973
3	Repair	Weld at 2-FW-5B/515-2 Interface	Weld overlay repair	No	12/10/03	1305 M2-03-00224
3	Replacement	Line 18"-EBD(A)-8	Fabricate replacement spool piece	No	12/09/03	1307 PO 70114218
3	Replacement	Check Valve 2-SW-1A	Replace Hinge Pin	No	10/26/03	1323 M2-02-13226
3	Replacement	Elbow and pipe upstream of steam generator thermal sleeve	Replace 90 degree elbow	No	12/19/03	1335 M2-03-09209

Table 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE

(Page 4 of 4)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (Yes/No)	Date Completed	Repair/ Replacement Plan Number
1	Repair	Pressurizer heater penetration nozzles	Machining of the heater nozzle penetrations and drilling and tapping of the Pressurizer bottom head at nozzle locations C3 and F4 were required to install MNSA clamps	No, these flaws were found as part of an augmented inspection based upon industry experience with Pressurizer heater penetration cracking	11/17/03	1341 M2-03-08544