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AUG 01 2014

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

Serial No. 14-366
NSS&L/MLC R0
Docket No. 50-336
License No. DPR-65

DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 2
INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT, REFUELING
OUTAGE 22

Dominion Nuclear Connecticut, Inc. hereby submits the American Society of Mechanical Engineers (ASME), Section XI, Form OAR-1, Owner’s Activity Report for the period from November 24, 2012 through Refueling Outage 22, completed on May 18, 2014, for Millstone Power Station Unit 2. The enclosure is in accordance with the requirements of ASME Code Case N-532-4.

If you have any questions or require additional information, please contact Mr. William D. Bartron at (860) 444-4301.

Sincerely,

L. J. Armstrong
Director, Nuclear Station Safety and Licensing

Enclosure:

1. Millstone Power Station Unit 2, Owner’s Activity Report - Refueling Outage 22

Commitments made in this letter: None.

A047
NCR

cc: U.S. Nuclear Regulatory Commission
Region I
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King of Prussia, PA 19406-2713

Mohan C. Thadani
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NRC Senior Resident Inspector
Millstone Power Station

ENCLOSURE 1

INSERVICE INSPECTION PROGRAM – OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 22

**MILLSTONE POWER STATION UNIT 2
DOMINION NUCLEAR CONNECTICUT, INC.**

MILLSTONE POWER STATION

UNIT NO. 2

OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 22

Revision 0

Contents:

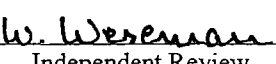
OAR-1 Report Number: MP2-2R22

Table 1: Items with Flaws or Relevant Conditions That Required
Evaluation for Continued Service.

Table 2: Abstract of Repairs/Replacement Activities Required for Continued
Service

Prepared By: 
ISI Program Owner

Date: 07/14/14

Reviewed By: 
Independent Review

Date: 7/14/2014

Reviewed By:  #5396641 Standard
Authorized Nuclear Inservice Inspector

Date: 7.17.2014



Dominion

Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

Page 1 of 3

Report Number: MP2-2R22

Plant Millstone Nuclear Power Station, Rope Ferry Road, Waterford, Connecticut 06385

Unit No. 2 Commercial service date 12/26/1975 Refueling outage no. 22
(if applicable)

Current inspection interval 4th
(1st, 2nd, 3rd, 4th, other)

Current inspection period 2nd
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2004 Edition, No Addenda

Date and revision of inspection plans 11/19/13 Revision 3, Change 3-003

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans
N/A

Code Cases used: N-460, N-532-4, N-566-2, N-722-1, N-770-1
(if applicable)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 2R22 conform to the requirements of Section XI.
(refueling outage number)

Signed *[Signature]* ISI Program Owner Date 07/14/2014
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, and state that, 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 repair/replacement activities and evaluation 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.

[Signature] Commissions NB 9384 CT 1137 ANIC
Inspector's Signature National Board, State, Province and Endorsements

Date July 17, 2014



Table 1 Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
C-H / C7.10	Valve 2-CH-191	Evidence of leakage at bolted connection evaluated in accordance with ASME Code Case N-566-2 as acceptable for continued service as documented in CR 548945 and ETE MP-2014-1132
C-H / C7.10	Valve 2-SI-124	Evidence of leakage at bolted connection evaluated in accordance with ASME Code Case N-566-2 as acceptable for continued service as documented in CR 548498 and ETE MP-2014-1131
C-H / C7.10	Valve 2-SI-411	Evidence of leakage at bolted connection evaluated in accordance with ASME Code Case N-566-2 as acceptable for continued service as documented in CR 540625 and ETE MP-2014-1044
C-H / C7.10	Valve 2-SI-435	Evidence of leakage at bolted connection evaluated in accordance with ASME Code Case N-566-2 as acceptable for continued service as documented in CR 543989 and ETE MP-2014-1087



Table 2 Abstract of Repair/Replacement Activities Required for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	Pipe Spool	Replace Feedwater piping for CTMT Penetration 15 on line 18"-EBB-6.	05/08/14	53102447665
2	Pipe Spool	Replace Feedwater piping for CTMT Penetration 16 on line 18"-EBB-6.	05/08/14	53102447666
3	Pipe Spools	Install BDB Flex mechanical connections on Auxiliary Feedwater line 4"-HBD(B)-45.	04/24/14	53102571021
3	Pipe Spool	Install BDB Flex mechanical connections on Auxiliary Feedwater lines 4" & 8"-HBD(B)-45 and 4" & 6"-EBD(B)-68.	04/24/14	53102571023
2	Pipe Spool	Install BDB Flex mechanical connections on Safety Injection lines 3"-CCA-7, 4"-HCD (C)-2 and 18"-HCD(C)-2.	04/29/14	53102571024
2	Supports	Install supports 505457 and 505458 on Safety Injection line 3"-CCA-7, for BDB Flex mechanical connections.	04/29/14	53102571031
1	Valve	Replace Reactor Head vent valve 2-RC-414.	05/07/14	53102578978
3	Pipe Spool	Replace section of Service Water piping on line 4"-HUD-30.	01/05/13	53102587112
2	Support	Install supports 505456 and 491277 on Safety Injection line 3"-CCA-7 and 2"-CCB-12, for BDB Flex mechanical connections.	05/01/14	53102634182
1	Pressurizer Heater	Replace Pressurizer heater B13.	04/22/14	53102641459
1	Valve	Replace Safety Injection valve 2-SI-227.	04/30/14	53102664861