

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



FEB 5 2013

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

Serial No. 13-069
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 21

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 May 4, 2011 through Refueling Outage 21, completed on November 23, 2012, 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,

R. K. MacManus
Director, Nuclear Station Safety and Licensing

Enclosure:

1. Millstone Power Station Unit 2, Owner's Activity Report - Refueling Outage 21

Commitments made in this letter: None.

A047
NRR

cc: U.S. Nuclear Regulatory Commission
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J. S. Kim
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NRC Senior Resident Inspector
Millstone Power Station

ENCLOSURE 1

INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT

REFUELING OUTAGE 21

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

MILLSTONE POWER STATION

UNIT NO. 2

OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 21

Revision 0


Contents:

OAR-1 Report Number: MP2-2R21

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: 1/8/2013

Reviewed By:


Independent Review

Date: 1/14/2013

Reviewed By:


Authorized Nuclear Inservice Inspector

Date: January 18, 2013



Dominion

Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

Page 1 of 4

Report Number: MP2-2R21

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

Unit No. 2 Commercial service date 12/26/1975 Refueling outage no. 21
(if applicable)

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

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

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

Date and revision of inspection plans 06/11/12 Revision 3, Change 2-002

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-586-1, N-722-1, N-729-1, 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 2R21 conform to the requirements of Section XI.
(refueling outage number)

Signed *R. H. Ziller* ISI Program Owner Date 01/08/2013
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.

Inspector's Signature *Elizabeth York* Commissions NB 9784 CT 1137 A.N.I.C.
National Board, State, Province and Endorsements

Date January 18, 2013



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

Examination Category and Item Number	Item Description	Evaluation Description
F-A / F1.10	Pipe Support 491412	Support member corrosion evaluated by Engineering as acceptable for continued service.
F-A / F1.10	Pipe Support 410060	Bolting thread engagement evaluated by Engineering as acceptable for continued service
F-A / F1.20	Pipe Support 402077	Support base plate gap evaluated by Engineering as acceptable for continued service
B-P / B15.215	Weld P-4-C-1	Staining at weld area evaluated by Engineering for leakage. Staining determined to be caused by historical pump seal leakage with weld found to be acceptable for continued service.
B-P / B15.10	Pump M2-P40A	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
B-P / B15.10	Pump M2-P40C	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-CH-118	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-CH-322	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-411	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-435	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-458	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-615	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.



Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

Page 3 of 4

Examination Category and Item Number	Item Description	Evaluation Description
C-H / C7.10	Valve 2-SI-625	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-635	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
C-H / C7.10	Valve 2-SI-645	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
D-B / D2.10	Valve 2-RW-4B	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
D-B / D2.10	Valve 2-RW-5A	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
D-B / D2.10	Valve 2-RW-14	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
D-B / D2.10	Valve 2-RW-16	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.
D-B / D2.10	Valve 2-RW-65	Evidence of leakage at bolted connection evaluated in accordance with Code Case N-566-2 as acceptable for continued service.



Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

Page 4 of 4

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	Pipe Flange	Replace flange downstream of Service Water valve 2-SW-179A on line 3"-HUD-130	02/2/12	53102372585
3	Pipe Spool	Replace degraded section of 24-inch Service Water line JGD-6, piping spool SK-912.	12/20/11	53102477243
3	Pipe Spool	Weld repair 24-inch Service Water line JGD-6, piping spools SK-912, SK-913, and SK-913A	12/22/11	53102485522
1	Valve	Replace Reactor Coolant valve 2-RC-037B.	11/5/12	53102295113
3	Pipe Spool	Replace section of Service Water line, piping spool SK-4256A.	9/12/12	53102555638
1	Valve	Replace Containment Spray valve 2-RC-252.	11/7/12	53102437234
1	Valve	Replace Containment Spray valve 2-RC-253.	11/7/12	53102443647
3	Pipe Flange	Replace flange on 6-inch Service Water line, piping spool P18.	10/8/12	53102562516