

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



**Dominion**<sup>SM</sup>

**JAN 31 2012**

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

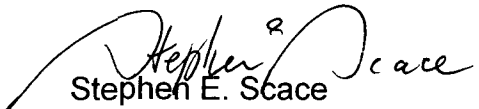
Serial No. 12-043  
NSSL/MLC R0  
Docket No. 50-423  
License No. NPF-49

**DOMINION NUCLEAR CONNECTICUT, INC.**  
**MILLSTONE POWER STATION UNIT 3**  
**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 the period from May 19, 2010 through Refueling Outage 14, completed on November 23, 2011 for Millstone Power Station Unit 3. 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 Bartron at (860) 444-4301.

Sincerely,

  
Stephen E. Scace  
Site Vice President – Millstone

Enclosure:

1. Inservice Inspection Program – Owner's Activity Report, Refueling Outage 14.

Commitments made in this letter: None

A047  
N12R

cc: U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
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C. J. Sanders  
Project Manager - Millstone Power Station  
U.S. Nuclear Regulatory Commission  
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NRC Senior Resident Inspector  
Millstone Power Station

**ENCLOSURE 1**

**INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT**  
**REFUELING OUTAGE 14**

**DOMINION NUCLEAR CONNECTICUT, INC.  
MILLSTONE POWER STATION UNIT 3**

# MILLSTONE POWER STATION

## UNIT NO. 3

### OWNER'S ACTIVITY REPORT

### REFUELING OUTAGE 14

Revision 0

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#### OAR-1 Report Number: MP3-3R14

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: Rich A. Zick  
ISI Program Owner

Date: 01/18/12

Reviewed By: W. Weseman  
Independent Review

Date: 1/18/2012

Reviewed By: Gregory K. NBS 9113  
Authorized Nuclear Inservice Inspection

Date: 24 January 2012



# Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

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Report Number: MP3-3R14

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

Unit No. 3 Commercial service date April 26, 1986 Refueling outage no. 14  
(if applicable)

Current inspection interval 3rd  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period 1st  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

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

Date and revision of inspection plans 05/23/11 Revision 2, Change 01-006

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, 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 3R14 conform to the requirements of Section XI.  
(refueling outage number)

Signed *Richard A. Zales* ISI Program Owner Date 01/18/2012  
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 A. Perkins* Commissions *NS 9384 CTURF ANEC*  
National Board, State, Province and Endorsements

Date *24 January 2012*



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 / F1.30D	Pipe Support 3-SWP-6-PSST058	Incomplete thread engagement. The support condition has been evaluated by Engineering and found to be acceptable with the support performing its intended design function.
C-B / C2.31	Weld 03-073-005	Surface indication evaluated as acceptable in accordance with ASME Section XI, IWB 3514.
F-A / F1.20C	Pipe Support 3-FWS-1-PSSH017	Evaluation of support spring load setting. The support condition has been evaluated by Engineering and found to be acceptable with the support performing its intended design function.
F-A / F1.20C	Pipe Support 3-FWS-1-PSSH005	Evaluation of support spring load setting. The support condition has been evaluated by Engineering and found to be acceptable with the support performing its intended design function.
F-A / F1.20C	Pipe Support 3-FWS-1-PSSH011	Evaluation of support spring load setting and a loose lock nut at threaded rod to eye bolt connection. The support condition has been evaluated by Engineering and found to be acceptable with the support performing its intended design function. Loose lock nut tightened to restore support to its design condition.
F-A / F1.20C	Pipe Support 3-FWS-1-PSSH023	Evaluation of support spring load setting and a loose lock nut at threaded rod to eye bolt connection. The support condition has been evaluated by Engineering and found to be acceptable with the support performing its intended design function. Loose lock nut tightened to restore support to its design condition.
B-A / B1.40	Weld 101-101	Surface indication evaluated as acceptable in accordance with ASME Section XI, IWB 3514.
B-A / B1.22	Weld 101-104D	Subsurface indications evaluated as acceptable in accordance with ASME Section XI, IWB 3510.



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 3RHS*V8701A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1098).
C-H / C7.10	Valve 3RHS*V8701C	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1098).
C-H / C7.10	Valve 3SIL*V987	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1099).
C-H / C7.10	Valve 3SIL*V017	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1099).
B-P / B15.10	Valve 3CHS*AV8149B	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1102).
B-P / B15.10	Valve 3CHS*AV8149C	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1102).
B-P / B15.10	Valve 3RCS*AV8037B	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1105).



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

Examination Category and Item Number	Item Description	Evaluation Description
B-P / B15.10	Valve 3RCS*AV8037C	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1105).
B-P / B15.10	Valve 3RCS*MV8003A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1105).
B-P / B15.10	Valve 3RCS*MV8003C	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1105).
C-H / C7.10	Heat Exchanger 3RSS*E1C	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1115).
C-H / C7.10	SFC Flange between Spools 3-SFC-520-2-3-3 and 3-SFC-520-5-3-3A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1058).
C-H / C7.10	Valve CHS*V297	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2010-0003).
C-H / C7.10	Flow Element 3RHS*FE618	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1090).
C-H / C7.10	Valve RHS*HCV606	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1090).
C-H / C7.10	Restricting Orifice 3RSS*RO39A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1065).





## Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

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**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 3RSS*MOV38A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1065).
C-H / C7.10	Heat Exchanger 3RHS*E1A	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (TE M3-EV-0016 Rev. 3).
C-H / C7.10	Heat Exchanger 3RHS*E1B	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (TE M3-EV-0016 Rev. 3).
C-H / C7.10	Strainer 3SIH*STRT1B	Evidence of leakage detected at bolted connection. Evaluated in accordance with ASME Code Case N-566-2 and found to be acceptable for continued service (ETE-MP-2011-1071).



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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	Steam Generator Plugs	Install mechanical expansion tube plugs for Steam Generator 3RCS*SG1A.	10/24/2011	53102204616
2	Valve Body	Weld restore the wall thickness of valve body for 3FWS*FCV520.	11/1/2011	53102211323
3	Pipe Spool	Replace Service Water 4D Pipe Bend (SWP-4D-003-002) on line 3-SWP-003-210-2.	10/14/2011	53102335898
3	Pipe Spool	Replace Service Water pipe spool on line 3-SWP-002-146-3.	1/20/2011	53102385728
3	Valve	Replace valve 3SWP*AOV39A	9/27/2011	53102390508
3	Pipe Spool	Replace lateral piece No. 152 on line SWP-002-351-3.	10/15/2011	53102403668
3	Pipe Spool	Replace Service Water pipe spool on 3CCI*E1A	1/27/2011	53102409766
3	Valve	Replace valve 3SWP*V699	10/28/2011	53102440496
3	Valve	Replace valve 3SWP*V18	5/26/2011	53102440553
3	Pipe Spool	Replace Service Water pipe spool on line 3SWP-150-104-3.	10/14/2011	53102465058
3	Fasteners	Replace degraded fasteners - 3SWP*V663 - Outlet Flange	10/23/2011	53102469542
3	Pipe Flanges	Repair spools 3SWP-20-2A (Inlet Flange) and 3SWP-20-3 (Outlet Flange) to remove corrosion damage.	10/26/2011	53102471152
2	Tank	Repair through-wall leak found on 3CHS*TK2	11/9/2011	53102479236