

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



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

**FEB 04 2010**

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

Serial No. 10-040  
NSSL/RWM 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 19**

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 17, 2008 through Refueling Outage 19, completed on November 18, 2009, 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.

Very truly yours,

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

Enclosure:

1. Millstone Power Station Unit 2, Owner’s Activity Report - Refueling Outage 19

Commitments made in this letter: None.

A047  
wra

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

Ms. C. J. Sanders  
Project Manager  
U.S. Nuclear Regulatory Commission  
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NRC Senior Resident Inspector  
Millstone Power Station

Serial No. 10-040  
Docket No. 50-336

**ENCLOSURE 1**

**INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT**

**REFUELING OUTAGE 19**

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

# MILLSTONE POWER STATION

## UNIT NO. 2

### OWNER'S ACTIVITY REPORT

### REFUELING OUTAGE 19

Revision 0

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#### Contents:

OAR-1 Report Number: MP2-2R19

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:

*A. H. Zick*  
ISI Program Owner

Date: 01/06/2010

Reviewed By:

*W. A. Weneman*  
Independent Review

Date: 01/11/2010

Reviewed By:

*Ernie D. Hart* HSC PT  
Authorized Nuclear Inservice Inspection

Date: January 24, 2010



Form OAR-1 Owner's Activity Report

Attachment 1, ER-AA-ISI-100

Page 1 of 3

Report Number: MP2-2R19

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

Unit No. 2 Commercial service date 12/26/1975 Refueling outage no. 19  
(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 3rd  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

Edition and Addenda of Section XI applicable to the inspection plans 1989 Edition, No Addenda

Date and revision of inspection plans 06/04/09 Revision 2, Change 11

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans  
1998 Edition, No Addenda

Code Cases used: N-416-3, N-491-2, N-532-4  
(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 19 conform to the requirements of Section XI.  
(refueling outage number)

Signed [Signature] ISI Program Owner Date 01/06/2010  
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 [Signature] Commissions ANIC NR 9584 CT1127  
National Board, State, Province and Endorsements

Date January 24, 2010



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 / F1.30	Pipe support 380323	Support clevis connection has gaps between inner clevis ears, lug bolt and support lug. Additionally, the threaded eye bolt to clevis lock nut not fully tightened up against clevis. Support condition has been evaluated by Engineering and found acceptable for continued service. Support clevis bolting and lock nut was tightened to restore support back to its design condition.



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 Spools	Fabricate and install replacement spools for 6" JGD-4(P90; P10, and P11).	02-19-2009	53102225225
2	Pulsation Damper	Replace Charging System Pulsation Dampener and associated piping.	07-31-2009	53102192979
3	Heat Exchanger Channel Head	X18C Channel Head Repair IAW CRED CR332322.	05-08-2009	53102248895
3	Heat Exchanger Channel Head	Replace of X83B South Channel Head Cover.	08-20-2009	53102221070
3	Pipe Spool	Replace 'A' Train Service Water 10-inch supply line to EDG Coolers with AL-6XN material.	10-29-2009	53102198311
3	Valve	Replace 24-inch Service Water cross-connect valve 2-SW-97A with AL-6XN material.	11-01-2009	53102198330
3	Pipe Spool	Replace 'A' Train Service Water pump discharge line 24"-JGD-1 with AL-6XN material.	10-30-2009	53102198322
2	Snubber	Replace snubber for pipe support HGR-507002A.	10-30-2009	53102238167
3	Heat Exchanger Channel Head	Replacement of X45A North Channel Head including the Channel Head bolting and cover.	09-01-2009	53102221068
3	Pipe Flange	'A' Diesel Service Water spool P2 flange repair.	10-28-2009	53102292771
2	Snubber	Replace snubber for pipe support HGR-507002B.	10-26-2009	53102238175
3	Pipe Spool	Replace 24-inch spool SK-906 and SK-907 with AL-6XN material per CRED CR354780.	11-02-2009	53102295046
1	Reactor Coolant Pump	Repair pump P40A Seal Cooler piping weld.	07-10-2009	53102266944