

Dominion Energy Nuclear Connecticut, Inc.
Millstone Power Station
314 Rope Ferry Road, Waterford, CT 06385
DominionEnergy.com



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

Serial No. 22-204
NSSL/MLC R0
Docket No. 50-423
License No. NPF-49

JUL 19 2022

DOMINION ENERGY NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 3
INSERVICE INSPECTION PROGRAM – OWNER’S ACTIVITY REPORT,
REFUELING OUTAGE 21

Dominion Energy Nuclear Connecticut, Inc. (DENC) hereby submits the American Society of Mechanical Engineers (ASME), Section XI, Form OAR-1, Owner’s Activity Report, for the period from November 12, 2020, through Refueling Outage 21, completed on June 4, 2022, for Millstone Power Station Unit 3. The enclosure is in accordance with the requirements of ASME Code Case N-532-5.

If you have any questions or require additional information, please contact Dean E. Rowe, Manager Nuclear Emergency Preparedness/Licensing, at (860) 444-5292.

Sincerely,

A handwritten signature in black ink, appearing to read "Lori Armstrong", written over a horizontal line.

Lori Armstrong
Director, Nuclear Safety and Licensing – Millstone

Enclosure:

1. Millstone Power Station Unit 3 Owner’s Activity Report, Refueling Outage 21, Revision 0.

Commitments made in this letter: None

cc: U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road, Suite 102
King of Prussia, PA 19406-1415

R. V. Guzman
Senior Project Manager – Millstone Power Station
U. S. Nuclear Regulatory Commission
One White Flint North, Mail Stop O8 C2
11555 Rockville Pike
Rockville, MD 20852-2738

NRC Senior Resident Inspector
Millstone Power Station

ENCLOSURE 1

MILLSTONE POWER STATION UNIT 3
OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 21

REVISION 0

MILLSTONE POWER STATION

UNIT NO. 3

OWNER'S ACTIVITY REPORT

REFUELING OUTAGE 21

Revision 0

Contents:

OAR-1 Report Number: MP3-3R21

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

Prepared By:

JOE BARILE Jr
ISI Program Owner

Date:

5/26/2022

Reviewed By:

R. Zieber
Independent Review

Date:

5/26/22

Reviewed By:

Elizabeth J. Smith
Authorized Nuclear Inservice Inspection

Date:

06.15.2022



Form OAR-1 Owner's Activity Report

ER-AA-ISI-100

ATTACHMENT 1

Page 1 of 3

Report Number: MP3-3R21

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

Unit No. 3 Commercial service date: April 26, 1986 Refueling outage no. 21
(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: 2013 Edition, No Addenda

Date and revision of inspection plans: 05/12/2021 / Revision 1

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

Code Cases used for inspection and evaluation:

N-513-4, N-532-5, N-716-1, N-722-1, N-729-6
(if applicable, including cases modified by Case N-532 and later revisions)

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 3R21 conform to the requirements of Section XI.
(refueling outage number)

Signed

JOE BARILE ISI Program Owner
Owner or Owner's Designee, Title

Date 6-15-2022

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT 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 9384 I.N.R.
National Board Number and Endorsement

Date 06-15-2022

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 / F1.10C	Pipe Support 3-RCS-1-PSSH003	Support spring setting evaluated by Engineering and found acceptable for continued service as documented in CR1196900.
F-A / F1.10A	Pipe Support 3-RCS-1-PSR013	Loose bolting identified on pipe support evaluated by Engineering and found to be acceptable for continued service as documented in CR1197053. Rework was performed to tighten bolting to restore support to design condition.
Code Case N-729-6 / B4.50	Reactor Vessel Head 3RCS*REV2 (RPV Closure Head Penetrations)	Fixed foreign material identified on reactor vessel head evaluated by Engineering as acceptable as documented in CR1197659 and CR1082710
N/A	Service Water System piping line 3-SWP-006-35-3	Through wall leakage identified on Service Water piping documented in CR1182882. This condition was evaluated for structural integrity in accordance with ASME Code Case N-513-4 and found to be acceptable for continued service (Ref. ETE-MP-2021-1107). Piping replacement completed during refuel outage 3R21 under work order 53203321469.
N/A	Service Water System piping line 3-SWP-003-248-3 / 3-SWP-003-276-3	Unacceptable weld defect identified in service water piping weld documented in CR1176719. This condition was evaluated for structural integrity in accordance with ASME Code Case N-513-4 and found to be acceptable for continued service (Ref. ETE-MP-2021-1070). Piping replacement completed during refuel outage 3R21 under work order 53203343066.

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	Valve	Replace Service Water System valve 3SWP*MOV115A with blind flange assembly	5/13/2022	53203344750
1	Steam Generator	Install tube plugs in Steam Generator 3RCS*SG1A	5/2/2022	53103133084
1	Steam Generator	Install tube plugs in Steam Generator 3RCS*SG1B	4/29/2022	53203245270
1	Steam Generator	Install tube plugs in Steam Generator 3RCS*SG1C	4/29/2022	53103133092
3	Piping	Replace portion of Service Water System line 3-SWP-006-35-3	5/11/2022	53203321469
3	Piping	Replace portion of Service Water System line 3-SWP-003-248-3 / 3-SWP-003-276-3	5/16/2022	53203343066
3	Strainer	Service Water System strainer 3SWP*STR1C weld repair	5/17/2022	53203346746