



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
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November 21, 2022

Daniel G. Stoddard
Senior Vice President and Chief Nuclear Officer
Dominion Energy, Inc.
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNITS 2 AND 3 – EMERGENCY
PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
05000336/2022501 AND 05000423/2022501

Dear Daniel Stoddard:

On November 3, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Millstone Power Station, Units 2 and 3 and discussed the results of this inspection with Michael O'Connor, Site Vice President, and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

Daniel L. Schroeder, Chief
Security, Emergency Preparedness and Incident
Response Branch
Division of Radiological Safety and Security

Docket Nos. 05000336 and 05000423
License Nos. DPR-65 and NPF-49

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: MILLSTONE POWER STATION, UNITS 2 AND 3 – EMERGENCY
 PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
 05000336/2022501 AND 05000423/2022501 DATED NOVEMBER 21, 2022

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000336 and 05000423

License Numbers: DPR-65 and NPF-49

Report Numbers: 05000336/2022501 and 05000423/2022501

Enterprise Identifier: I-2022-501-0014

Licensee: Dominion Energy Nuclear Connecticut, Inc.

Facility: Millstone Power Station, Units 2 and 3

Location: Waterford, CT 06385

Inspection Dates: October 31, 2022 to November 4, 2022

Inspectors: J. Ambrosini, Senior Emergency Preparedness Inspector
C. Highley, Senior Resident Inspector
J. Kulp, Senior Reactor Inspector

Approved By: Daniel L. Schroeder, Chief
Security, Emergency Preparedness and Incident Response Branch
Division of Radiological Safety and Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness biennial exercise inspection at Millstone Power Station, Units 2 and 3, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

- (1) The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a locked reactor coolant pump rotor and failure of the reactor to trip automatically, followed by reports of elevated activity from a reactor coolant sample, and a loss of coolant accident outside of containment on November 1, 2022.

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

- (1) The inspectors evaluated the following submitted Emergency Action Level and Emergency Plan changes.
 - MP-21-19-00, MP-26-EPA-REF03, Emergency Action Level Technical Bases Document Millstone Power Station - Unit 3, Revision 026
 - MP-21-20-00, MP-26-EPA-REF02, Emergency Action Level Technical Bases Document Millstone Power Station - Unit 2, Revision 030
 - MP-21-24-00, MP-26-EPA-REF03, Emergency Action Level Technical Bases Document Millstone Power Station - Unit 3, Revision 027
 - MP-21-25-00, MP-26-EPA-REF02, Emergency Action Level Technical Bases Document Millstone Power Station - Unit 2, Revision 031
 - MP-22-02-00, MP-26-EPI-EPMP, Millstone Power Station Emergency Plan, Revision 64

This evaluation does not constitute NRC approval.

71114.08 - Exercise Evaluation - Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

- (1) The inspectors reviewed and evaluated the proposed scenario for biennial emergency plan exercise on September 29, 2022.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On November 3, 2022, the inspectors presented the emergency preparedness biennial exercise inspection results to Michael O'Connor, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Miscellaneous		2022 Biennial Emergency Exercise Manual	09/01/2022
			Millstone Power Station Emergency Plan	Revision 64