



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
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July 1, 2024

Eric S. Carr
President - Nuclear Operation
and Chief Nuclear Officer
Dominion Energy, Inc.
Innsbrook Technical Center
5000 Dominion Blvd.
Glenn Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNITS 2 AND 3 – EMERGENCY
PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
05000336/2024501 AND 05000423/2024501

Dear Eric Carr:

On June 6, 2024, 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

SUBJECT: MILLSTONE POWER STATION, UNITS 2 AND 3 – EMERGENCY
 PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
 05000336/2024501 AND 05000423/2024501 DATED JULY 1, 2024

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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: 05000336/2024501 and 05000423/2024501

Enterprise Identifier: I-2024-501-0003

Licensee: Dominion Energy Nuclear Connecticut, Inc.

Facility: Millstone Power Station, Units 2 and 3

Location: Waterford, CT

Inspection Dates: June 3, 2024 to June 6, 2024

Inspectors: J. DeBoer, Senior Emergency Preparedness Inspector
J. Ambrosini, Nuclear Engineer
K. Hussar, Senior Physical Security Inspector
J. Kepley, Operations Engineer
S. Mercurio, Emergency Preparedness 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

71114.04 - 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-23-07-0, MP-26-EPI-EPMP, Millstone Power Station Emergency Plan
 - MP-23-10-0, Change ERO DEENS (Dominion Energy Emergency Notification System) testing frequency from monthly to quarterly
 - MP-23-21-0, Replace Dose Assessment Procedure MP-26-EPI-FAP10 with EP-AA-DOS-101
 - MP-24-08-0, Revision to MP-26-EPI-FAP06-002 U2 EALS and MP-26-EPA-REF02 U2 EAL Basis Document
 - MP-24-09-0 Revision to MP-26-EPI-FAP06-003 U3 EALS and MP-26-EPA-REF03 U3 EAL Basis Document

This evaluation does not constitute NRC approval.

71114.07 - Exercise Evaluation - Hostile Action (HA) Event

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

- (1) The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a loss of offsite power, a hostile action based event with imminent loss of physical control of the plant, and a steam generator tube rupture resulting in a radiological release requiring offsite response on June 4, 2024.

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 the biennial emergency plan exercise on May 8, 2024.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (DEP) Sample (IP Section 02.12) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

EP02: Emergency Response Organization (ERO) Drill Participation (IP Section 02.13) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

EP03: Alert And Notification System (ANS) Reliability Sample (IP Section 02.14) (1 Sample)

- (1) For the period April 1, 2023 – March 31, 2024

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On June 6, 2024, 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
71114.07	Miscellaneous	MJUN24BE	Millstone Unit 2 NRC/FEMA HAB Exercise Package Scenario	04/01/2024
		MP-26-EPI-FAP06-002	Millstone Power Station Unit 2 EAL Matrix	Revision 16
		MP-PROC-EP-MP-26-EPI-EPMP	Millstone Power Station Emergency Plan	Revision 67
71151	Corrective Action Documents Resulting from Inspection	CR1261293		06/06/2024
	Procedures	EP-AA-103	Emergency Preparedness Performance Indicators	Revision 11