



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD, SUITE 102  
KING OF PRUSSIA, PA 19406-1415

June 8, 2023

Docket No. 07200047  
License No. DPR-65, NPF-49

Daniel G. Stoddard  
Senior Vice President 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 -NRC INDEPENDENT SPENT  
FUEL STORAGE INSTALLATION SECURITY INSPECTION REPORT NO.  
07200047/2023401**

Dear Daniel Stoddard:

On May 31, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an Independent Spent Fuel Storage Installation (ISFSI) security inspection at the Millstone Power Station in Waterford, Connecticut. The inspection covered your physical security plan, Revision 36, and the October 16, 2002, Interim Compensatory Measures for Dry Independent Spent Fuel Storage Installations Order and was conducted using NRC Inspection Procedure 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations."

The enclosed inspection report documents the inspection results, which were discussed with Michael O' Connor, Site Vice President, and other members of your staff on May 31, 2023.

The inspection examined activities conducted under your licenses as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your licenses. The inspectors reviewed selected procedures and records and performed walkdowns of selected areas.

Based on the results of this inspection, no violations were identified.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter and the enclosure will be made available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

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

Enclosure:

1. Public Inspection Report No. 07200047/2023401

**cc w/enclosure:**

Distribution via ListServ

**cc w/enclosure:**

J. Semancik, Director, Radiation Division,  
Bureau of Air Management, CT DEEP  
F. Newton, Manager, Site Security  
J. Perno, Security Operations Superintendent

SUBJECT: MILLSTONE POWER STATION, UNITS 2 AND 3 – NRC INDEPENDENT  
 SPENT FUEL STORAGE INSTALLATION SECURITY INSPECTION REPORT  
 NO. 07200047/2023401 DATED JUNE 8, 2023

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**File: <https://usnrc.sharepoint.com/teams/RIDRSPSBSEC/Shared Documents/Inspection Reports/2023 IR Draft/Millstone - ISFSI/MS ISFSI IR 2023401 Non OUO .docx>**

ADAMS ACCESSION NUMBER: ML23157A114 (Cover letter w/ enclosure 1)

<b>Entire Report:</b> <input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive			<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRSS	RI/DRSS	RI/DRSS	RI/DRSS		
NAME	DCaron	TEck	ADimitriadis/ad	DSchroeder		
DATE	06/06/2023	06/06/2023	06/06/2023	06/07/2023		

**U.S. NUCLEAR REGULATORY COMMISSION  
REGION I  
INSPECTION REPORT**

Docket No. 07200047

License Nos. DPR-65 and NPF-49

Report No. 07200047/2023401

Enterprise Identifier: I-2023-401-0075

Licensee: Dominion Energy Nuclear Connecticut, Inc.

Address: Waterford, CT.

Location Inspected: Millstone Power Station, Units 2 and 3 Independent Spent Fuel Storage Installation (ISFSI)

Inspection Date: April 3, 2023, to May 31, 2023

Inspectors: Dana Caron, Senior Physical Security Inspector  
Thomas Eck, Physical Security Inspector  
Jo Ambrosini, Senior Emergency Preparedness Inspector  
Stephanie Mercurio, Emergency Preparedness Inspector

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

Enclosure

## **REPORT DETAILS**

### a. Inspection Scope

The inspectors evaluated this area by reviewing the ISFSI security plan, implementing procedures, and records; and performing walk-downs of the ISFSI.

The inspectors: (1) reviewed records and calculations for the ISFSI; (2) verified and assessed the licensee's maintenance program to assure the functionality and reliability of security equipment; and (3) verified that a rapid, capable response to safeguards contingency events had been appropriately developed and effectively implemented.

The inspectors conducted the following specific inspection activities and evaluated the program to determine if: (a) the spent fuel storage was within a PA and was protected by two barriers; and (b) the vehicle barrier system satisfied the design vehicle bomb attack requirements.

### b. Observations and Findings

No findings or observations were identified.

### c. Conclusions

No violations were identified.

### Exit Meeting Summary

On May 31, 2023, the inspectors presented the inspection results to Michael O' Connor, Site Vice President, and other members of the licensee's staff. The inspectors verified that no proprietary information was retained by the inspectors or documented in this report.

**ATTACHMENT  
SUPPLEMENTAL INFORMATION  
KEY POINTS OF CONTACT**

Licensee Personnel

M. O'Connor, Site Vice President  
F. Newton, Manager Site Security  
J. Perno, Security Operations Superintendent

**LIST OF ITEMS OPEN, CLOSED, AND DISCUSSED**

Opened

None

Opened and Closed

None

Closed

None

**INSPECTION PROCEDURES USED**

IP 81311, Physical Security Requirements for Independent Spent Fuel Storage Installations

**LIST OF DOCUMENTS REVIEWED**

Procedures

PSP-1, Physical Security Plan, Revision 36  
SY-AA-118, Owner Controlled Area Access Control, Revision 2  
SY-AA-127, Security Patrols and Detection/Assessment Systems, Revision 2  
SY-MP-PLN-0901, Use of OCA Active Vehicle Barrier, Revision 3

**LIST OF ACRONYMS USED**

ADAMS	Agencywide Documents and Access Management System
CFR	<i>Code of Federal Regulations</i>
IP	Inspection Procedure
IR	Inspection Report
ISFSI	Independent Spent Fuel Storage Installation
NRC	Nuclear Regulatory Commission
PA	Protected Area
PARS	Publicly Available Records