



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

April 30, 2021

Mr. Daniel G. Stoddard
President and Chief Nuclear Officer
Dominion Energy Kewaunee, Inc.
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: KEWAUNEE DECOMMISSIONING POWER STATION - INDEPENDENT
SPENT FUEL STORAGE INSTALLATION SECURITY INSPECTION
REPORT 07200064/2021401

Dear Mr. Stoddard:

On April 5, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Kewaunee Decommissioning Power Station Independent Spent Fuel Storage Installation (ISFSI) and discussed the results of this inspection with Mr. Brad McMahon, Site Director 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,

/RA/

Steven K. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 07200064

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Daniel G. Stoddard from Steven K. Orth dated April 30, 2021.

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

Docket Number: 07200064

License Number: General License (ISFSI)

Report Number: 07200064/2021401

Enterprise Identifier: I-2021-401-0140

Licensee: Dominion Energy Kewaunee, Inc.

Facility: Kewaunee Decommissioning Power Station ISFSI

Location: Kewaunee, WI

Inspection Dates: March 29, 2021 to April 05, 2021

Inspectors: G. Bonano, Physical Security Inspector
M. Ziolkowski, Senior Physical Security Inspector

Approved By: Steven K. Orth, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an inspection of the Physical Protection Program for the Independent Spent Fuel Storage Installation, in accordance with the Spent Fuel Storage Oversight Process. The Spent Fuel Storage Oversight Process is the NRC's program for overseeing the safe storage of spent nuclear fuel. Refer to <https://www.nrc.gov/waste/spent-fuel-storage/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

Inspection was conducted using the appropriate portions of the Inspection Procedure 81311, “Physical Security Requirements for Independent Spent Fuel Storage Installations.” The procedure was declared complete when the inspection procedure requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 2690, “Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations And for 10 CFR Part 71 Transportation Packagings.” 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), regional inspectors were directed to begin teleworking. The inspection documented below was determined that the objectives and requirements stated in the IP could, in part, be performed remotely.

SAFEGUARDS

81311—Physical Security Requirements for Independent Spent Fuel Storage Installations (Complete)

The inspectors evaluated the Physical Protection Program for the Independent Spent Fuel Storage Installation. The following elements were evaluated:

02.01 (a – f)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On April 5, 2021, the inspectors presented the independent spent fuel storage installation security inspection results to Mr. Brad McMahon, Site Director and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
81311	Calculations	2017-0025	Kontek Vehicle Barrier System Penetration Distance Calculation	09/25/2017
81311	Calculations	C12034	Vehicle Penetration for Relocated Owner Controlled Area Vehicle Barrier System Calculation	10/30/2013
81311	Calculations	S-11862-205-01	Independent Spent Fuel Storage Installation Security Building Blast and Ballistic Effects Evaluation	09/21/2016
81311	Miscellaneous		LLEA MOU – Kewaunee County Sheriff’s Department	11/07/2019
81311	Miscellaneous		Dominion Electric Kewaunee Power Station Report of Blast Analysis	5
81311	Miscellaneous		Talisman Dominion Electric Kewaunee Power Station Report of Analysis of Blast Resistance of Identified Structures	08/08/2014
81311	Miscellaneous		14 Personnel Records for UA	
81311	Miscellaneous		Kewaunee Power Station Independent Spent Fuel Storage Installation Physical Security Plan and 10 CFR Part 37	11/07/2019
81311	Miscellaneous		Kewaunee Power Station Training and Qualification Plan and Safeguards Contingency Plan	4
81311	Miscellaneous		Dominion Electric Kewaunee Power Station Report of Blast Analysis	5
81311	Procedures	SCPIP-SS-001	Malevolent Use of Vehicle	0
81311	Procedures	SCPIP-SS-002	Treat of Direct Attack	0
81311	Procedures	SCPIP-SS-003	Civil Disturbance	0
81311	Procedures	SCPIP-SS-004	Protected Area Intrusion	0
81311	Procedures	SCPIP-SS-005	Fire, Explosion or Other Catastrophe	0
81311	Procedures	SCPIP-SS-006	Detection of Abhorrent Behavior	0
81311	Procedures	SCPIP-SS-007	Security Force Strike or Unavailability of Security Force	0
81311	Procedures	SCPIP-SS-008	Loss of Contact with a Security Officer	0
81311	Procedures	SCPIP-SS-009	Potential / Confirmed Tampering, Vandalism, and Malicious Mischief	0
81311	Procedures	SIP-SS-10.03	Work Hour Limits for Security Personnel	0
81311	Procedures	SIP-SS-10.07	Security Records and Storage	0
81311	Procedures	SIP-SS-10.08	Security Assessment Programs	1
81311	Procedures	SIP-SS-20.01	Issuance and Control of Site Badges, Proxy Cards and	1

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Visitor Badges	
81311	Procedures	SIP-SS-20.05	Lock, Key, Combination and Password Control	1
81311	Procedures	SIP-SS-30.02	Testing, Inspection and Maintenance of Security Equipment	5
81311	Procedures	SIP-SS-30.05	CAS and Security Remote Monitoring Station Operating Procedure	3
81311	Procedures	SIP-SS-40.01	Security Patrols	1
81311	Procedures	SIP-SS-40.02	Escort Responsibilities	0
81311	Procedures	SIP-SS-40.04	Protective Strategy	2
81311	Procedures	SIP-SS-40.07	LLEA Response Plan	1
81311	Procedures	SY-AA-FFD-103	NRC Fitness for Duty Chemical Testing Program Participant Instructions and Consent Chain of Custody	15
81311	Procedures	SY-AA-UAA-101	Unescorted Access Authorization Program	5
81311	Procedures	SY-KW-SS-101	Security and Access Control	2
81311	Procedures	SY-KW-SS-103	Security Plan and Procedure Revision Process	0
81311	Procedures	SY-KW-SS-105	Security Safeguards Event Reportability	0
81311	Procedures	SY-KW-SS-106	Control of Safeguards Information, Security-Related Information, and Controlled Unclassified Information	2
81311	Procedures	SY-KW-TR-SS-101	Nuclear Security Training Program	1
81311	Procedures	SY-KW-TR-SS-102	Weapons Accountability, Testing, and Maintenance	2
81311	Procedures	SY-KW-TR-SS-105	Systematic Approach to Training (SAT) Overview	1
81311	Procedures	SY-KW-TR-SS-201	Security Drill and Exercise	0
81311	Self-Assessments	20-01	Audit Cyber Security / FFD / Unescorted Access Authorization / Kewaunee Power Station Security Training	04/01/2020
81311	Self-Assessments	21-01	Audit Security	03/08/2021