



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2056 WESTINGS AVENUE, SUITE 400
NAPERVILLE, IL 60563-2657

July 17, 2025

Ronald P. Worster
General Manager/Project Director
Kewaunee Solutions
N490 Highway 42
Kewaunee, WI 54216

SUBJECT: KEWAUNEE ISFSI – INDEPENDENT SPENT FUEL STORAGE INSTALLATION
SECURITY INSPECTION REPORT 07200064/2025401

Dear Ronald P. Worster:

On June 30, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Kewaunee ISFSI and discussed the results of this inspection with you 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,

A handwritten signature in dark ink, appearing to read "Michael E. Ziolkowski", is written over a light blue horizontal line.

Signed by Ziolkowski, Michael
on 07/17/25

Michael E. Ziolkowski, Chief
Security, Emergency Preparedness, and Incident
Response Branch
Division of Radiological Safety and Security

Docket No. 07200064
License No. General License (ISFSI)

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to R. Worster from M. Ziolkowski dated July 17, 2025.

SUBJECT: KEWAUNEE ISFSI – INDEPENDENT SPENT FUEL STORAGE INSTALLATION
SECURITY INSPECTION REPORT 07200064/2025401

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 07200064

License Number: General License (ISFSI)

Report Number: 07200064/2025401

Enterprise Identifier: I-2025-401-0072

Licensee: Kewaunee Solutions

Facility: Kewaunee ISFSI

Location: Kewaunee, WI

Inspection Dates: June 24, 2025 to June 30, 2025

Inspectors: J. Bober, Student Co-Op
G. Bonano, Physical Security Inspector
D. Garner, Security Specialist

Approved By: Michael E. Ziolkowski, 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 a security inspection of the Physical Protection Program for the Independent Spent Fuel Storage Installation (ISFSI), 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 (IP) 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations" 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

<https://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

The procedure was declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2690, "Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for Title 10 of the *Code of Federal Regulations*, Part 71 Transportation Packaging's."

The inspector 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.

ISFSI SECURITY

81311 - Physical Security Requirements for Independent Spent Fuel Storage Installations

The inspectors evaluated the ISFSI Security Program. The following elements were evaluated:

Physical Security Requirements for Independent Spent Fuel Storage Installations (1 Sample)

- (1) 02.01 (a - c); 02.02 (a - h); 02.03 (a - m); 02.04; 02.05 (a - t); 02.06; 02.07 (a, b); 02.08 (a - c)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On June 30, 2025, the inspectors presented the independent spent fuel storage installation security inspection results to Ronald P. Worster and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
81311	Miscellaneous		Kewaunee Power Station (KPS) Physical Security Plan (PSP), Safeguards Contingency Plan (SCP), and Training & Qualification Plan (T&QP)	7
			NRC Safety Evaluation Report	05/09/2017
			Kewaunee County Sherrif's Dept. - "Memorandum of Understanding (MOU)/Letter of Agreement (LOA)"	10/25/2023
		CR-2025-0077	Security Key Checkout Logs; Audit Report #: KS-QA-AUD-2025-0001	01/25/2025
		CR-2025-0078	LLEA Response Plan Contact Phone Numbers; Audit Report #: KS-QA-AUD-2025-0001	01/25/2025
		CR-2025-0079	CAS Emergency Diesel Generator Condition; Audit Report #: KS-QA-AUD-2025-0001	01/25/2025
		CR-2025-0727	Security to discuss Security Remote Monitoring Station (SRMS) alarm protocol process with Wright-Hennepin Intenational Response Center (WHIRC).	06/25/2025
		KS-QA-AUD-2025-0001	2025 KPS Security Audit	1

81311	Procedures	GO-KW-SS-0115	Contingency Weapon	4
		SIP-SS-20.01	Issuance and Control of Site Badges, Proxy Cards and Visitor Badges	3
		SIP-SS-20.03	Admittance and Control of Personnel, Vehicles and Material	5
		SIP-SS-20.05	Lock, Key, Combination and Password Control	2
		SIP-SS-30.02	Testing, Inspection and Maintenance of Security Equipment	8
		SIP-SS-30.03	Operation, Use and Testing of Communications Equipment	4
		SIP-SS-30.04	Compensatory Measures and Reportability Consequences	6
		SIP-SS-30.05	Central Alarm Station and Security Remote Monitoring Station Operating Procedure	5
		SIP-SS-40.01	Security Patrols	2
		SIP-SS-40.02	Escort Responsibilities	1
		SIP-SS-40.04	Protective Strategy	3
		SIP-SS-40.07	LLEA Response Plan	3
		SY-KW-SS-101	Security and Access Control	5
		SY-KW-SS-106	Control of Safeguards Information, Security-Related Information, and Controlled Unclassified Informationo	4
		SY-KW-TS-SS-102	Weapons Accountability, Testing and Maintenance	3