



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

July 27, 2023

John Sauger  
President and Chief Nuclear Officer  
EnergySolutions  
121 W. Trade Street, Suite 2700  
Charlotte, NC 28202

SUBJECT: KEWAUNEE ISFSI-INDEPENDENT SPENT FUEL STORAGE INSTALLATION  
SECURITY INSPECTION REPORT 07200064/2023401

Dear John Sauger:

On June 29, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Kewaunee ISFSI and discussed the results of this inspection with Eileen Moore, Security/ISFSI/EP Manager, 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 black ink, appearing to be "S. Orth", is written over a horizontal line.

Signed by Orth, Steven  
on 07/27/23

Steven K. Orth, Chief  
Security, Emergency Preparedness, and Incident  
Response Branch  
Division of Radiological Safety and Security

Docket No. 07200064

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to J. Sauger from S. Orth dated July 27, 2023.

SUBJECT: KEWAUNEE ISFSI – INDEPENDENT SPENT FUEL STORAGE INSTALLATION  
SECURITY INSPECTION REPORT 07200064/2023401

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

Docket Number: 07200064

License Number: General License (ISFSI)

Report Number: 07200064/2023401

Enterprise Identifier: I-2023-401-0080

Licensee: EnergySolutions

Facility: Kewaunee ISFSI

Location: Kewaunee, WI

Inspection Dates: June 27, 2023, to June 29, 2023

Inspectors: G. Bonano, Physical Security Inspector

Approved By: Steven K. Orth, 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 inspector verified no proprietary information was retained or documented in this report.

- On June 29, 2023, the inspector presented the independent spent fuel storage installation security inspection results to Eileen Moore, Security/ISFSI/EP Manager, and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
81311	Miscellaneous		Kewaunee's Security Plan, Training and Quality Plan, and Safeguards Contingency Plan	5
			MOU/LOA LLEA Kewaunee County Sheriff's Dept	10/07/2021
			NRC Approval of 2 Reviewing Officials per Security Order EA-07-195	06/30/2022
	Procedures	GO-KW-SS-0115	Contingency Weapon	4
		SIP-SS-20.05	Lock, Key, Combination and Password Control	2
		SIP-SS-30.02	Testing, Inspection and Maintenance of Security Equipment	6
		SIP-SS-30.03	Operation, Use and Testing of Communications Equipment	3
		SIP-SS-30.04	Compensatory Measures and Reportability Consequences	4
		SIP-SS-30.05	Central Alarm Station and Security Remote Monitoring Station Operating Procedure	4
		SIP-SS-40.01	Security Patrols	2
		SIP-SS-40.07	LLEA Response Plan	2
		SY-AA-UAA-101	Unescorted Access Authorization Program	6
		SY-KW-SS-101	Security and Access Control	4
		SY-KW-SS-106	Control of Safeguards Information, Security-Related Information, and Controlled Unclassified Information	3
	Self-Assessments	Audit 21-01: Security	Nuclear Oversight Audit Report	03/10/2021
		KS-QA-AUD-2023-0001	2023 Kewaunee Security Audit	2023