



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
2056 WESTINGS AVENUE, SUITE 400
NAPERVILLE, IL 60563-2657

July 09, 2026

Matthew Siebert
ISFSI Manager – Sr. ISFSI Specialist
Constellation Nuclear
Zion ISFSI
101 Shiloh Blvd
Zion, IL 60099

SUBJECT: ZION INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) – U.S.
NUCLEAR REGULATORY COMMISSION (NRC) SECURITY INSPECTION
REPORT 07201037/2026401

Dear Matthew Siebert:

On June 18, 2026, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at the Zion ISFSI and Constellation Corporate Office; 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 and at the NRC Public Document Room in accordance with Title 10 of the <http://www.nrc.gov/reading-rm/adams.html> Code of Federal Regulations 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael Ziolkowski".

Signed by Michael Ziolkowski on 07/09/26

Michael E. Ziolkowski, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 07201037

Enclosure:
As stated

cc: J. Dunlap, Director Fleet Decommission
C. Flores, Mgr. Corp Security
Operations
R. Wong, Mgr. FFD/Access & In Process
D. Gantt, Sr. Regulatory Engineer
cc w/ encl: distribution via digital
communications platform

Letter to M. Siebert from M. Ziolkowski dated July 9, 2026.

SUBJECT: ZION INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) – U.S.
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REPORT 07201037/2026401

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ADAMS Accession Number: ML26189A208
PKG: ML26190A341
e-Concurrence case: 20260708-01163

U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 07201037

License Number: General License

Report Number: 07201037/2026401

Enterprise Identifier: I-2026-401-0075

Licensee: Constellation Nuclear

Facility: Zion ISFSI

Location: Zion, IL, and Constellation Corp. Office

Inspection Dates: June 09, 2026 to June 11, 2026, and June 16, 2026

Inspectors: G. Bonano, Physical Security Inspector
D. Garner, Security Specialist (Nuclear)
J. Flores, General Engineer (Program Manager)

Approved By: Michael E. Ziolkowski, 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 Independent Spent Fuel Storage Installation (ISFSI) security inspection at the Zion 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 for more information. <https://www.nrc.gov/waste/spent-fuel-storage/oversight.html>

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 inspector evaluated the ISFSI Security Program through completion of the following inspection procedure elements:

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 18, 2026, the inspectors presented the independent spent fuel storage installation security inspection results to Matthew Siebert and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
81311	Miscellaneous		Safeguards Information Access List	05/2026
			ISFSI Memo 2017-020	04/14/2025
			ISFSI Training Program Appendix B	5
			OCAT Basic Weapons Course Certification	05/13/2026
			National Rifle Association, NRC Range Safety Officer Course Completion (Expires 10/31/27)	
			NRA Law Enforcement Officer Firearm Instructor, Handgun/Shotgun Certification (expires 05/19/28)	
			ACADEMI – Mossburg Master Armorer Course (Expires 04/23/27)	
			Attachment II, Weapons Maintenance Log 2026 – SP-16 Rev. 9 SER# V2120562	
			Attachment 12 Shotgun Armorer's Inspection Accuracy Test	04/01/2026
			NRA – Law Enforcement Division, Law Enforcement Course Of Fire Shotgun Qualification Course of Fire Letter of Approval (3-Year approval)	03/20/2026
			Zion ISFSI Training Qualification Status Sheet 2026	
			National Rifle Association, NRC Range Safety Officer Course Completion (Expires 10/31/27).	
			NRA Law Enforcement Officer Firearm Instructor, Handgun/Shotgun Certification (expires 05/19/28).	
			Attachment II, Weapons Maintenance Log 2026 – SP-16 Rev. 9 SER# V2120562.	
			Attachment 12 Shotgun Armorer's Inspection Accuracy Test	04/01/2026
			NRA – Law Enforcement Division, Law Enforcement Course Of Fire Shotgun Qualification Course of Fire Letter of Approval (3-Year approval)	03/20/2026
			2026 ISFSI Training Agenda – Effective 01/10/26	
			Attachment B, Firing Rang Safety Briefing/ Attendance Sheet (05/13/26).	
			ISFSI Intrusion Alarm System Performance Test IDS Tests	2025 - 2026

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			ISFSI Unescorted Access Approval List	06/2026
			Alarm/Event Conditions Report	06/2026
			Acknowledgment of Updated Reviewing Officials Related to Order (EA-11-268) Access Authorization for Zion Nuclear Power Station, Units 1 and 2 Independent Spent Fuel Storage Installation (ISFSI)	05/06/2021
			LLEA Response Agreement 2026	
			LLEA Response Capability	12/22/2025
			Independent Management Assessment Report Zion Nuclear Power Station	2025
			Zion ISFSI Shift Logs	12/11/2015 - 06/04/2026
			Zion ISFSI Training Qualification Status Sheet 2026	
			OCAT Basic Weapons Course Certification	05/13/2026
		Appendix B Security Personnel Training and Qualification Plan	Chapter 6, Detection Aids Chapter 6.1.1, Intrusion Alarms for the Protected Area	5
		Appendix B Security Personnel Training and Qualification Plan	Section 2, Training Section 2.9, Weapons Training Section 2.10, Weapons Training Qualification Requalification Plan Section 2.11, Firearms Qualification Course	5
		Appendix B Security Personnel Training and Qualification Plan	Section 3, Equipment Section 3.1, Contingency Equipment	5
		Audit NOSA-ZIN-24-11 (AR 4798715)	ISFSI Audit Report	09/16-26/2024

81311	Miscellaneous	ISFSI Training Program Appendix B	Weap. 07 Safe Range Practices	03/20/2024
		ISFSI Training Program Appendix B	PO 1.10 Security Portal Testing and Maintenance	6
		ISFSI Training Program Appendix B	PO 1.14 Contingency Equipment Dated: 12/12/19	3
		ISFSI Training Program Appendix B	Weap. 03 Safe Shotgun Hamnding Technique Dated: 12/07/17	1
		ISFSI Training Program Appendix B	Weap. 04 Shotgun Marksmanship Dated: 03/20/24	1
		SEC-TPE-015	Task Performance Evaluation Daily Equipment Inventory, 03/20/24.	0
		Zion ISFSI Physical Security Plan	App. A Security, Safeguards Contingency Plan	5
		Zion ISFSI PSP	Dated: 03/12/2025	5
	Procedures	AD-8	Corrective Action Program	14
		SP-1	Conduct of Security Operations	7
		SP-11	ISFSI Testing and Maintenance of Security Equipment	13
		SP-12	Lock and Key Control	2
		SP-15	ISFSI Weapons Qualification	6
		SP-16	Attachment 2 - Contingency Equipment Inventory, Page 1 of 1, Dated 06/10/26	9
		SP-16	Attachment 2 - Contingency Equipment Inventory, Page 1 of 1, Dated 06/10/26.	9
		SP-18	Attachment 23, Annuation Training for Safeguards Handling (04/01/26).	5
		SP-18, ASSC# 1294027	Attachment 11 Security Container Check Sheet	5
		SP-18, ASSC# 1294028	Attachment 11 Security Container Check Sheet	5

		SP-20	Attachment 1 Contractor and Licensee Employee Out-Processing Checklist	8
		SP-7	ISFSI Communication	1
		SP-8	ISFSI Personnel Access Control, 8/4/25	13