



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

November 19, 2019

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

SUBJECT: ZION NUCLEAR POWER STATION (DECOMMISSIONING)—INDEPENDENT  
SPENT FUEL STORAGE INSTALLATION—NRC SECURITY INSPECTION  
REPORT 07201037/2019401(DRS)

Dear Mr. Sauger:

On October 24, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed a security inspection of the Physical Protection Program for the Zion Nuclear Power Station (Decommissioning), Independent Spent Fuel Storage Installation (ISFSI) located near Zion, Illinois. The NRC inspector discussed the results of this inspection with Mr. Jerry Houff and members of his staff. The results of this inspection are documented in the enclosed report.

The NRC inspector did not identify any finding or violation of more-than-minor significance.

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.htm> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* (CFR), Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

If you choose to provide a response that contains Security-Related Information, please mark your entire response "Security-Related Information—Withhold from public disclosure under 10 CFR 2.390" in accordance with 10 CFR 2.390(d)(1) and follow the instructions for withholding in 10 CFR 2.390(b)(1). The NRC is waiving the affidavit requirements for your response in accordance with 10 CFR 2.390(b)(1)(ii).

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

**/RA/**

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

Docket Nos. 050-00295, 050-00304,  
072-01037

License Nos. DPR-39, DPR-48,  
General License (ISFSI)

Enclosure:  
Inspection Report 07201037/2019401(DRS)

cc: Distribution via ZionSolutions® Service List

Letter to John Sauger from Steven K. Orth dated November 19, 2019.

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos.: 050-00295, 050-00304, 072-01037

License Nos.: DPR-39, DPR-48, General License (ISFSI)

Report No: 07201037/2019401(DRS)

Enterprise Identifiers: I-2019-401-0052

Licensee: ZionSolutions

Facility: Zion Nuclear Power Station (Decommissioning)-ISFSI

Location: Zion, IL

Dates: October 22, 2019, through October 24, 2019

Inspector: E. Bonano, ISFSI Physical Security Inspector

Approved By: S. 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 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 Title 10 of the *Code of Federal Regulations*, Part 71, Transportation Packagings." 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.

## **SAFEGUARDS**

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

The inspector 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 or violations were identified.

## **EXIT MEETINGS AND DEBRIEFS**

The inspector confirmed that proprietary information was controlled to protect from public disclosure. The inspector verified no proprietary information was retained or documented in this report.

- On October 24, 2019, the inspector presented the inspection results to Mr. Jerry Houff and members of his staff.

## **DOCUMENTS REVIEWED**

### 81311-Physical Security Requirements for Independent Spent Fuel Storage Installations

- Zion Nuclear Power Station ISFSI Physical Security Plan, Revision 4; Dated: 12/2017
- Conduct of Security Operations, SP-1, Revision 4; Effective: 08/06/2018
- AA Program, SP-2, Revision 3; Effective: 08/13/2019
- ISFSI Testing & Maintenance of Security Equipment, SP-11, Revision 6; Effective: 07/19/2018
- Request for ISFSI Unescorted Access, SP-13, Revision 2; Effective: 08/13/2018
- ISFSI Badging, SP-14, Revision 2; Effective: 10/09/2019
- FFD Program, SP-19, Revision 1; Effective: 07/22/2016
- ISFSI Training Program, AD-4, Revision 7
- Quality Audit Report, Audit No.: A-18-001, "ISFSI Operations Audit"
- LLEA Response Capability, Letter of Agreement; Dated: 07/16/2019