



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

May 10, 2018

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

SUBJECT: KEWAUNEE POWER STATION (PERMANENTLY SHUTDOWN) INDEPENDENT
SPENT FUEL STORAGE INSTALLATION—SECURITY INSPECTION REPORT
05000305/2018401; 07200064/2018401

Dear Mr. Stoddard:

On April 11, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the Physical Protection Program for the Independent Spent Fuel Storage Installation located at the permanently shutdown Kewaunee Power Station. The NRC inspectors discussed the results of this inspection with Mr. Yuen and other members of your staff. The results of this inspection are documented in the enclosed report.

The NRC inspectors 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).

D. Stoddard

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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. 50-305; 72-064
License Nos. DPR-43; General License (ISFSI)

Enclosure:
IR 05000305/2018401; 07200064/2018401

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Letter to Daniel G. Stoddard from Steven K. Orth dated May 10, 2018

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-305; 72-064

License Nos: DPR-43; General License (ISFSI)

Report Nos: 05000305/2018401; 07200005/2018401

Enterprise Identifiers: I-2018-401-0061; I-2018-401-0048

Licensee: Dominion Energy Kewaunee, Inc. (DEK)

Facility: Kewaunee Power Station (KPS) (Permanently Shutdown)
Independent Spent Fuel Storage Installation (ISFSI)

Location: Kewaunee, WI

Dates: March 20, 2018, through April 11, 2018

Inspector(s): E. Bonano, ISFSI Physical Security Inspector
D. Garner, Senior Security Specialist (NSIR)
N. Fields, Health Physicist

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 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.

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 or violations were identified.

EXIT MEETINGS AND DEBRIEFS

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

On April 11, 2018, the inspectors presented the security inspection results to Mr. Yuen and other members of the licensee staff.

DOCUMENTS REVIEWED

81311—Physical Security Requirements for Independent Spent Fuel Storage Installations

- Kewaunee ISFSI Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan; Revision 3
- Dominion Energy Kewaunee, Inc., KPS, "Revised Answer to Order EA-07-195 for Additional Security Measures and Fingerprinting for Unescorted Access for Certain Spent Fuel Storage Licensees Dated January 28, 2008;" 12/07/2017
- LLEA MOU: Kewaunee County Sheriff's Department; 12/14/2017
- SY-KW-SS-101, "Security and Access Control;" Revision 1
- SY-KW-TR-SS-101, "Nuclear Security Training Program;" Revision 0
- SY-KW-TR-SS-102, "Weapons Accountability, Testing and Maintenance;" Revision 1
- SY-KW-TR-SS-103, "Critical Task Qualification and Re-qualification Failure Actions;" Revision 0
- SY-KW-TR-SS-104, "Task Performance Evaluation;" Revision 0

- SIP-SS-40.04, "Protective Strategy;" Revision 1
- SIP-SS-40.07, "LLEA Response Plan;" Revision 0
- SIP-SS-30.04, "Compensatory Measures and Reportability Consequences;" Revision 1
- SIP-SS-30.03, "Operation, Use and Testing of Communications Equipment;" Revision 1
- SIP-SS-20.05, "Lock, Key, Combination and Password Control;" Revision 1
- SY-AA-UAA-101, "Unescorted Access Authorization Program;" Revision 3
- Access Authorization Program, Personnel Records: 16
- Rifle Lowlight Qualification Course; Approved 09/03/2015
- Rifle Daylight Qualification Course; Approved 09/03/2015
- KPS.917, OJT/TPE Guides; Revision 3
- Compensatory Post Order; 03/12/18
- Training files for security personnel
- CR 1590; 01/25/2018
- CR 1656; 03/20/2018
- CR 1657; 03/21/2018
- CR 1658; 03/21/2018
- KPS Vehicle Barrier System (VBS) Analysis (SGI document - NS100477-03)
- SIP-SS20.03, "Admittance and Control of Personnel, Vehicle and Materials;" Revision 0
- Event Log Reports; 2015–2018
- Monthly KPS Access Authorization Roster (31 day reviews); 2015–2018
- ISFSI-Only Emergency Action Level Basis Document; Revision 0
- Nuclear Oversight Audit Report:
 - 1) Audit 18-12: Kewaunee Security Plan; 03/22/2018
 - 2) Audit 17-01: Security; 03/20/2017
 - 3) Audit 16-01: Security, FFD & UAA; 03/10/2016