



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

June 7, 2018

Mr. Joel P. Gebbie  
Senior VP and Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

SUBJECT: DONALD C. COOK INDEPENDENT SPENT FUEL STORAGE INSTALLATION—  
SECURITY INSPECTION REPORT 07200072/2018401

Dear Mr. Gebbie:

On May 11, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the Physical Protection Program for the Independent Spent Fuel Storage Installation (ISFSI) co-located with your Donald C. Cook Nuclear Power Plant in Bridgman, Michigan. The NRC inspectors discussed the results of this inspection with Mr. Scarpello 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).

J. Gebbie

-2-

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 No.: 72-072  
License No.: General License (ISFSI)

Enclosure:  
IR 07200072/2018401

cc: Distribution via LISTSERV®

Letter to Joel P. Gebbie from Steven K. Orth dated June 7, 2018

SUBJECT: DONALD C. COOK INDEPENDENT SPENT FUEL STORAGE INSTALLATION—  
SECURITY INSPECTION REPORT 07200072/2018401

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No.: 72-072

License No.: General License (ISFSI)

Report No.: 07200072/2018401

Enterprise Identifier: I-2018-401-0049

Licensee: Indiana Michigan Power Company

Facility: Donald C. Cook—Independent Spent Fuel Storage  
Installation (ISFSI)

Location: Bridgman, Michigan

Dates: April 16, 2018, through May 11, 2018

Inspectors: E. Bonano, ISFSI Physical Security Inspector  
J. Maynen, Senior Physical Security Inspector

Approved by: S. Orth, Chief  
Plant Support Branch  
Division of Reactor Safety

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission 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 U.S. Nuclear Regulatory Commission'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 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 May 11, 2018, the inspectors presented the security inspection results to Mr. Scarpello and other members of the licensee staff.

## DOCUMENTS REVIEWED

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

- CNP Security Plan; Revision 25
- EA-11-039; Issuance of Order for Implementation of Additional Security Measures and Fingerprinting for Unescorted Access for D.C. Cook Nuclear Plant ISFSI; 04/06/2011
  - o Attachment 1 (SGI); 09/28/2007
  - o Attachment 2; 06/03/2010
- NRC Regulatory Issue Summary 2002-12D; ISFSIs Using Dry Storage; NRC Threat Advisory and Protective Measures System; 10/16/2002
- LLEA MOU; Berrien County Sheriff's Department Manpower & Equipment Availability for Response to Emergencies; 01/05/2018
- 12-OHP-4051-DCO-100; Transport Operations; Revision 19
- D.C. Cook ISFSI Blast Report; Prepared by Sargent and Lundy; 08/18/2010
- PMP-2060-SEC-006; Security Requirements for Plant Personnel; Revision 32
- PMP-2080-EPP-101; Emergency Classification; Revision 21
- SE-C-AR012; ISFSI; Lesson Plan for Armed Security Office (AR); Revision 0
- SPP-2060-SFI-201; Armed Response Actions, Firearms and Strategy; Revision 30
- SPP-2060-SFI-206; Security Patrols; Revision 29
- SPP-2060-SFI-209; Protected Area Access/Exit Requirements; Revision 19
- SPP-2060-SFI-214; Security Core, Key and Lock Program; Revision 22
- SPP-2060-SFI-215; Post 1 and OCA Surveillance; Revision 34
- SPP-2060-SFI-302; Compensatory Measures; Revision 21
- SPP-2060-SFI-308; Tests of Security Related Equipment; Revision 50
- SPP-2060-SFI-501; Training & Qualification Plan Implementing Procedure; Revision 14
- GT 2017-9600-3; Self-Assessment Report; 03/27/2015 – 03/16/2018
- NOS-17-17-11; Nuclear Oversight Audit: Security; 12/11/2017
- PA-15-06; Performance Assurance Audit for Dry Cask Movement; Spent Fuel Storage; 09/12/15
- SSIS Revalidation Report; 31 Day Reviews: 19 Personnel Reviewed
- Nuclear Oversight Master Audit and Assessment Plan Year 2018; Compliance Audits; Revision 1
- AR 2016-1018
- AR 2017-2969