



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

December 30, 2021

Mr. Paul Hansen
Decommissioning Director
NextEra Energy Duane Arnold, LLC
3277 DAEC Road
Palo, IA 52324-9785

SUBJECT: DAEC DECOMMISSIONING REACTOR – DECOMMISSIONING SECURITY
INSPECTION REPORT 05000331/2021402

Dear Mr. Hansen:

On December 10, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at DAEC Decommissioning Reactor and discussed the results of this inspection with Mr. John Schwertfeger, Security 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 12/30/21

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

Docket No. 05000331
License No. DPR-49

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Paul Hansen from Steven K. Orth dated December 30, 2021.

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INSPECTION REPORT 05000331/2021402

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000331

License Number: DPR-49

Report Number: 05000331/2021402

Enterprise Identifier: I-2021-402-0080

Licensee: NextEra Energy Duane Arnold, LLC

Facility: DAEC Decommissioning Reactor

Location: Palo, IA

Inspection Dates: November 16, 2021 to December 10, 2021

Inspector: G. Bonano, Physical Security Inspector

Approved By: Steven K. 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 a decommissioning security inspection at DAEC Decommissioning Reactor, in accordance with the Decommissioning Reactor Oversight Process. The Decommissioning Reactor Oversight Process is the NRC's program for overseeing the safe decommissioning of commercial nuclear power reactors. Refer to <https://www.nrc.gov/waste/decommissioning.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

Unless otherwise noted, decommissioning security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity, were met consistent with Inspection Manual Chapter 2202, "Security Inspection Program for Decommissioning Nuclear Power Reactors." Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. 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.

Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), inspectors were directed to begin telework. In addition, regional baseline inspections were evaluated to determine if all or a portion of the objectives and requirements stated in the IP could be performed remotely. If the inspections could be performed remotely, they were conducted per the applicable IP. In some cases, portions of an IP were completed remotely and on site. The inspections documented below met the objectives and requirements for completion of the IP.

DECOMMISSIONING SECURITY REQUIREMENTS

81200.04 - Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors

The inspector evaluated the security equipment testing and maintenance program for decommissioning nuclear power reactors through completion of the following procedure elements:

Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors (1 Partial)

(1) (Partial)

- 02.01; 02.02 a; 02.03 a; 02.04 a, d, e, j; 02.05 a; 02.06 a, d; 02.07 a, b, c, d, e, g; 02.08 c, d; 02.09; 02.10

81200.07 - Security Training for Decommissioning Nuclear Power Reactors

The inspector evaluated the security training program for decommissioning nuclear power reactors through completion of the following procedure elements:

Security Training for Decommissioning Nuclear Power Reactors (1 Partial)

(1) (Partial)

- 02.01; 02.02 a, b, c, d, f, g, h; 02.03 a, b; 02.05; 02.06 a, c; 02.07 a, b; 02.09 a, b; 02.10 a; 02.11 a; 02.12 a, c; 02.13

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspector verified no proprietary information was retained or documented in this report.

- On December 10, 2021, the inspector presented the decommissioning security inspection results to Mr. John Schwertfeger, Security Manager, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
81200.04	Miscellaneous		Nuclear Fleet Security Baseline Inspection Matrix	11/15/2021
			DAEC Semi-Annual Test Fire and Inspection	2021
		NA-DC-202-1 000-F01	Annual Review Worksheet for 1st Quarter 2021 Audit	0
		PDA 21-001, Security	DAEC - 1st Quarter 2021 Audit	03/09/2021
		SD-15.1, Attach. 1	Quarterly Fence & Gate Surveillance Inspection Checklist	11/2021
		SD-15.11, Attach. C	CCTV Surveillance Inspection Checklist	11/07/2021
		SD-15.12, Attach. A	Semi-Annual Door Surveillance Inspection/Card Reader Checklist	10/2021
		SD-15.13, Attach. A	Quarterly Turnstile Surveillance Inspection	09/01/2021
		SD-15.14, Attach. A	Itemiser 3 Maintenance Tests; July - October 2021	10/01/2021
		SD-15.2, Attach. 1	Semi-Annual Contingency Equipment Surveillance	10/2021
		SD-15.6, Attach. A	Quarterly X-Ray Machine Surveillance Inspection	07/30/2021
		SD-15.7, Attach. A and B	Quarterly Microwave Surveillance Inspection	10/2021
		SD-15.8, Attach. A	Weekly Walk-Thru Explosive Detector Surveillance Tests; July - October 2021	10/01/2021
		SP-8, Attach. 3-A	Periodic Surveillance Schedule - 3rd Qtr. 2021	
		SP-8, Attach. 4	Weekly Microwave Operational Test Results	11/2021
		SP-8, Attach. 5	Weekly Vital/Protected Area Portal/Active Vehicle Barrier Test	11/01/2021
		SP-8, Attach. 8	Weekly SOCA Intrusion Detection System Test Results	11/2021
		SP-8, Attach. 9	Quarterly Security Low-Light Technology Inspection and Testing	11/2021
		SD-15.8,	Monthly Walk Thru Explosive Detector Surveillance Tests;	10/01/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Procedures	Attach. A	July – October 2021	
		SD-4	Explosive Detectors	22
		SD-5	Metal Detectors	18
		SD-7	X-Ray Inspection System	19
		SY-AA-102-1018	Control of Security Sensitive Equipment	8
		SY-AA-102-1025	Weapons Maintenance	7
		SY-AA-102-1033	Security Equipment Testing	5
81200.07	Miscellaneous		Firearm Instructor Certifications (3 personnel)	
			Nuclear Fleet Security Baseline Inspection Matrix	11/15/2021
			DAEC Security 2020 Tactical Qualification Course	12
		A-IQR/ASO-IQR	NextEra Energy Fleet Security, Annual Individual Qualification Record - CY2020 5 Personnel Records	2
		A-IQR/ASO-IQR	NextEra Energy Fleet Security, Annual Individual Qualification Record - CY2021 5 Personnel Records	2
	Procedures	DP-12	Removal From and Re-Instatement to Duty and Medical/Physical Requirements	7
		DP-2	DAEC Physical Agility Policy	3
		STIP-2	DAEC Security Training Implementing Procedure - Tactical Course	12
		SY-AA-102-1001	Security Training	7
		SY-AA-102-1002	New Hire Training and Qualification	6
		SY-AA-102-1003	Firing Range Operations	11
		SY-AA-102-1007	Graded Systematic Approach to Security Training	8
		SY-AA-102-1008	Security Drills and Exercises	15
		SY-AA-102-1010	Adversary Force Training	4
		SY-AA-102-1015	Safety/Security Interface	18
		SY-AA-102-1026	Security Posts and Patrols	8
		SY-AA-102-1030	Operation of Security Alarm Stations	4
		SY-AA-102-1032	Use of Force	3
		SY-AA-102-1034	Conduct of Security	11