



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

December 8, 2022

Mr. Michael Strope
Site Vice President
NextEra Energy Point Beach, LLC
6610 Nuclear Road
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR PLANT – SECURITY BASELINE INSPECTION
REPORT 05000266/2022401 AND 05000301/2022401

Dear Mr. Michael Strope:

On November 7, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Point Beach Nuclear Plant and discussed the results of this inspection with Mr. Mark Fencil, 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 placed below the word "Sincerely,".

Signed by Orth, Steven
on 12/08/22

Steven K. Orth, Chief
Security Emergency Preparedness
and Incident Response Branch
Division of Radiological Safety and Security

Docket Nos. 05000266 and 05000301
License Nos. DPR-24 and DPR-27

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Michael Strobe from Steven K. Orth dated December 8, 2022.

SUBJECT: POINT BEACH NUCLEAR PLANT – SECURITY BASELINE INSPECTION
REPORT 05000266/2022401 AND 05000301/2022401

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000266 and 05000301

License Numbers: DPR-24 and DPR-27

Report Numbers: 05000266/2022401 and 05000301/2022401

Enterprise Identifier: I-2022-401-0032

Licensee: NextEra Energy Point Beach, LLC

Facility: Point Beach Nuclear Plant

Location: Two Rivers, WI

Inspection Dates: September 12, 2022 to November 07, 2022

Inspectors: E. Bonano, Physical Security Inspector
N. Egan, Senior Physical Security Inspector
M. Ziolkowski, Senior Physical Security Inspector

Approved By: Steven K. Orth, Chief
Security Emergency Preparedness
and Incident Response Branch
Division of Radiological Safety and Security

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Point Beach Nuclear Plant, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.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

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) 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 <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." 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

71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

Access Control (1 Sample)

- (1)
 - Tier I: All
 - Tier II: 02.06 (b - c); 02.08 (a, d - g, i)
 - Tier III: 02.09

71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program through the completion of the following elements requirements:

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: All
 - Tier II: 02.09 (a - b); 02.10; 02.12; 02.13
 - Tier III: 02.15 (a, c)

71130.05 - Protective Strategy Evaluation

The inspectors evaluated the licensee's protective strategy through completion of the following procedure elements:

Protective Strategy Evaluation (2 Samples)

- (1)
 - Tier I: All
 - Tier II: 02.05 a; 02.06 (a - d, g - m); 02.07 (a - d)
 - Tier III: 02.08; 02.09 (a, b); 02.11 (a)
- (2)
 - Observed annual FOF exercise for calendar year 2022

71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements:

Security Plan Changes (1 Sample)

- (1) Since the last NRC inspection of this program area, Security Plan Revision 17 was implemented based on your determination, in accordance with Title 10 of the *Code of Federal Regulations*, Part 50.54(p)(2), that the changes resulted in no decrease in safeguards effectiveness of the security plan, and that the revised security plan changed continues to meet the requirements of Title 10 of the *Code of Federal Regulations*, Part 73.55(b). The inspectors conducted a review of the security plan changes to evaluate for potential decrease in safeguards effectiveness of the security plan. However, this review does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

- (1) Unit 1: January 1, 2021 through June 30, 2022
Unit 2: January 1, 2021 through June 30, 2022

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On November 7, 2022, the inspectors presented the security baseline inspection results to Mr. Mark Fencel, Security Manager and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents Resulting from Inspection	AR 02304519	Evaluate Notification Process from Lock Change Out	03/06/2019
		AR 02304525	Security Enhancement Opportunity - Security Locks and Keys	03/06/2019
		AR 02436849	Security Position Paper	09/15/2022
		AR 02436893	Security Lock and Key Program	09/15/2022
	Procedures	SY-AA-102-1021	Conduct of Personnel Searches	16
		SY-AA-102-1022	Vehicle and Material Searches	13, 14
	Self-Assessments	AR 238053640	Pre-Inspection for 71130.02 Access Control	06/20/2022
71130.04	Miscellaneous		Intrepid Model 334	A
			Intrepid Model 336	D
		Position Paper 08-001	Microwave and Infrared Sensor Intrusion Detection Testing	08/12/2008
		Security Position Paper 17-002	Testing Method Southwest Microwave	01/31/2017
		SY-AA-102-1025	Semi Annual Rifle Testing Firing and Cleaning 2020-2022	11
		Testing Document #702B	Microwave Sensor Testing at Nuclear Generating or DOE Facilities	12/28/2016
	Procedures	ICP 03.002	Security System Hardware Functional Test	16
		ICP 03.003	Perimeter System Hardware Functional Test	6
		PBSAP 3.2	Perimeter Testing	20
		PBSRP 2.3.1	OCA Camera System	8
		SY-AA-102-1033	Security Equipment Testing	5
	Self-Assessments	AR 2431992	IP 71130.04 Equipment Performance, Testing and Maintenance	07/11/2022
	Work Orders	40703248 01	D-23, 24 Month Security System 125V Battery Inspection	11/16/2020
		40728146-23	Non-Safety related battery D-23 Quarterly	11/30/2021
		40737564-01	SEC-HUT 01 BATT / Perform Yearly Inspection and Testing	06/23/2021
		40760246-01	Z-107K Itemizer Membrane Replacement	11/12/2021
		40791340-01	HT-TB-AVBS-02, AVBS Heat Tracing	06/27/2022
		WO 40640158-01	SEC-UPS 22, Replace UPS Batteries	10/10/2019
		WO 40762191-01	Z-108D inspect and Clean X-Ray Machine	11/30/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		WO 40800414-01	SEC - Light Loc Intrusion Detection System PM	08/26/2022
71130.05	Corrective Action Documents Resulting from Inspection	AR 02436847	Update PBSRP 1.4.1	09/15/2022
	Engineering Evaluations		Barrier Island Consulting, LLC, Security Assistance Report	02/20/2020
		04C4453-LS-008	Analysis of Secondary Blast and Cratering Effects for Point Beach Nuclear Plant	2
		NM20088-SCAL-002	Kontek BBRE Blast Response	10/04/2020
	Miscellaneous		Memorandum of Understanding from Manitowoc County Sheriff's Office	08/09/2021
		CS-FoF-040	RM Matrix Timelines	7
		No: 04-003	DBT Evaluation of Safe Standoff Distance for CAS, SAS, and External Security Response Positions	10/06/2004
	Procedures	PBSRP 1.2	Loss of On/Offsite Communication	7
		PBSRP 1.4.1	Security Alert Status	61
	Self-Assessments	AR 2424014	71130.05 Readiness Assessment	04/08/2022
71130.09	Miscellaneous		Physical Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Independent Spent Fuel Storage Installation Security Plan	16
			Physical Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Independent Spent Fuel Storage Installation Security Plan	17
71151	Procedures	NP 5.2.16	NRC Performance Indicators	19