



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

November 23, 2022

Mr. John Krakuszeski
Site Vice President
Duke Energy Progress, LLC
Brunswick Steam Electric Plant
8470 River Road SE (M/C BNP001)
Southport, NC 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT – SECURITY BASELINE
INSPECTION REPORT 05000324/2022402 AND 05000325/2022402

Dear Mr. Krakuszeski:

On November 3, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Brunswick Steam Electric Plant and discussed the results of this inspection with you 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 cursive script that reads "Jannette Worosilo".

Signed by Worosilo, Jannette
on 11/23/22

Jannette G. Worosilo, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 05000324 and 05000325
License Nos. DPR-62 and DPR-71

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

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 INSPECTION REPORT 05000324/2022402 AND 05000325/2022402
 Dated November 23, 2022

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000324 and 05000325

License Numbers: DPR-62 and DPR-71

Report Numbers: 05000324/2022402 and 05000325/2022402

Enterprise Identifier: I-2022-402-0027

Licensee: Duke Energy Progress, LLC

Facility: Brunswick Steam Electric Plant

Location: Southport, NC

Inspection Dates: October 31, 2022 to November 03, 2022

Inspectors: J. Justice, Sr. Physical Security Inspector
A. Richardson, Physical Security Inspector
J. Wallo, Senior Physical Security Inspector
R. Womack, Physical Security Inspector

Approved By: Jannette G. Worosilo, 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 security baseline inspection at Brunswick Steam Electric 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 Requirements
 - Tier II: (02.06 a, c, d, 02.08 d - g, i)
 - Tier III: (02.10)

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 Requirements
 - Tier II: (02.05 a, 02.06 a, d, e, f, g, h, i, j, k, l, m, n, 02.07 a, b, c, e)
 - Tier III: (02.08, 02.09 a, b, 02.11 a)
- (2)
 - Drill Observation

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) The opportunity to apply this procedure was not available in accordance with Inspection Manual Chapter 0306. This sample was not available because the licensee did not conduct the activity covered by this IP. Specifically, the licensee has

not initiated a physical security plan change in accordance with 10 CFR 50.54(p)(2) since the last performance of this IP.

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 (September 1, 2021, through September 31, 2022)
Unit 2 (September 1, 2021, through September 31, 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 3, 2022, the inspectors presented the security baseline inspection results to John Krakuszeski and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Procedures	AD-EP-ALL-0112	Onsite Protective Measures	Rev 1
		AD-SY-ALL-0110	Protection of Information Related to Nuclear Security	Rev 9
		AD-SY-ALL-0190	Security Records Program	Rev 4
		AD-SY-ALL-0210	Site Access Controls	Rev 6
		AD-SY-ALL-0215	Security Search and Entry Processing	Revision 8
		AD-SY-BNP-0205	SOCA/EWAS Operations and Additional Measures	Revision 2
71130.05	Corrective Action Documents	02448069		
	Corrective Action Documents Resulting from Inspection	02448068		
		02448069		
		02448238		
	Miscellaneous		Various LLEA Agreements	6/8/2022
		CSD-SY-BNP-0130-02	BNP Formal Target Sets	Revision 0
		LP-SY-ALL-0559	Controller/Evaluator Training	Revision 11
	Procedures	OPT-12.24	Security UPS Static Switch and Battery Test	Rev 2
		OPT-12.25	Security Diesel Generator Automatic Load Test	Rev 4
		AD-SY-ALL-0120	Safety/Security Interface	Revision 2
		AD-SY-ALL-0560	Drill and Exercise Program	Revision 9
		AD-SY-BNP-0251	Contingency Response	Revision 2
		AD-WC-ALL-0200	On-Line Work Management	Revision 20
71130.09	Procedures		Brunswick Nuclear Plant Physical Security Plan	Rev 15
71151	Procedures	AD-PI-ALL-0700	Performance Indicators	Rev 5