



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

September 28, 2021

Mr. John A. Krakuszeski
Director, Nuclear Plant Security
Duke Energy Progress, LLC
Brunswick Steam Electric Plant, Units 1 and 2
8470 River Rd. SE
Southport, NC 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 – SECURITY
BASELINE INSPECTION REPORT 05000324/2021401 AND 05000325/2021401

Dear Mr. Krakuszeski:

On September 16, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Brunswick Steam Electric Plant, Units 1 and 2 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,

/RA/

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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SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 – SECURITY
 BASELINE INSPECTION REPORT 05000324/2021401 AND 05000325/2021401
 – DATED September 28, 2021

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OFFICE	RII/DRS	RII/DRS	RII/DRS	RII/DRS	
NAME	J. Brown	J. Wallo	R. Patterson	J. Worosilo	
DATE	09/22/2021	09/22/2021	09/22/2021	09/28/2021	

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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: 05000324/2021401 and 05000325/2021401

Enterprise Identifier: I-2021-401-0039

Licensee: Duke Energy Progress, LLC

Facility: Brunswick Steam Electric Plant, Units 1 and 2

Location: Southport, NC

Inspection Dates: September 13, 2021 to September 16, 2021

Inspectors: J. Brown, Senior Physical Security Inspector
R. Patterson, Physical Security Inspector
J. Wallo, Senior 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, Units 1 and 2, 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

Unless otherwise noted, baseline 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 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

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: (02.05 a-c, 02.06, 02.07 a-h)
 - Tier III: (02.08)

71130.04 - Equipment Performance, Testing, and Maintenance

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

Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: (02.09 a, b, 02.11 a-c, 02.12 a, 02.13 a)
 - Tier III: (02.14, 02.15 a-c)

71130.07 - Security Training

The inspectors evaluated the security training program through completion of the following procedure elements:

Security Training (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: (02.05 a, - d, 02.06 a -b)
 - Tier III: (02.012 a - b, 02.13 a-c)

71130.09 - Security Plan Changes

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

Review Security Plan Changes (IP Section 02.01) (1 Sample)

- (1) Since the last NRC inspection of this program area, Security Plan Revision 15 was implemented based on your determination, in accordance with 10 CFR 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 10 CFR 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 (August 2020 through August 2021)
Unit 2 (August 2020 through August 2021)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On September 16, 2021, the inspectors presented the security baseline inspection results to Mr. Sam Santaniello and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	02297862		
		02319416		
		02322325		
	Procedures	AD-SY-ALL-0210	Site Access Controls	Revision 6
		AD-SY-ALL-0215	Security Search and Entry Processing	Revision 6
AD-SY-BNP-0205		SOCA/EWAS Operations and Additional Measures	Revision 1	
71130.04	Corrective Action Documents	02298987		
		02306691		
		02310718		
		02319830		
		02350296		
		02365219		
		02369711		
		02370037		
	Procedures	AD-SY-ALL-0580	Weapons Maintenance, Testing, and Accountability	Revision 6
		AD-SY-ALL-0610	Nuclear Security Equipment Maintenance Program	Revision 0
		AD-SY-ALL-0620	Testing and Inspection of Perimeter Intrusion Detection Systems (PIDS)	Revision 0
		AD-SY-ALL-0625	Security Owner Controlled Area (SOCA) Surveillance Systems Maintenance and Testing	Revision 2
		AD-SY-ALL-0630	Testing and Maintenance of Security Communications Equipment	Revision 2
		AD-SY-ALL-0640	Testing and Inspection of Security Search Equipment	Revision 0
		AD-SY-ALL-0650	Physical Barrier Access Control System Testing and Inspection	Revision 0
AD-SY-BNP-0600	Testing and Inspection of (BNP) Security Equipment and Barriers	Revision 1		
Self-Assessments	2021-BNP-SEC-01	Nuclear Oversight-Audit Brunswick Physical Security	February 25, 2021	
71130.07	Corrective Action Documents	02299013		

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Procedures	AD-SY-ALL-0510	Security Program Systematic Approach to Training	Revision 5
		AD-SY-ALL-0520	Security Training	Revision 6
		AD-SY-ALL-0524	Security On-The-Job Training (OJT) and Task Performance Evaluation (TPE)	Revision 1
71130.09	Procedures	Physical Security Plan (PSP)		Revision 15
71151	Procedures	AD-PI-ALL-0700	Performance Indicators	Revision 4