



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

February 15, 2019

Mr. Scott West  
Director–Nuclear Plant Security  
Brunswick Steam Electric Plant  
P.O. Box 10429  
Southport, NC 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT – U.S. NUCLEAR REGULATORY  
COMMISSION SECURITY INSPECTION REPORT 05000325/2019410 AND  
05000324/2019410

Dear Mr. West:

On January 31, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed a security inspection at your Brunswick Steam Electric Plant and discussed the results of this inspection with Mr. R. Gideon, and other members of the Brunswick staff. The results of this inspection are documented in the enclosed report.

No NRC-Identified or self-revealing findings were identified during the inspection.

This letter will be made available for public inspection and copying at <https://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room, in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

**/RA/**

James Shehee, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket Nos. 50-325 and 50-324  
License Nos. DPR-71 and DPR-62

Enclosure:  
NRC IR 05000325/2019410, 324/2019410

cc: (See page 2)

cc:

Brian W. Bernard  
Director – Nuclear Security Services  
Duke Energy Corporation  
526 South Church Street (M/C EC5ZD)  
Charlotte, NC 28202

Jerry L. Pierce  
Manager, Nuclear Support Services  
Brunswick Steam Electric Plant  
P.O. Box 10429 (M/C BNP04)  
Southport, NC 28461-0429

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT – U.S. NUCLEAR REGULATORY  
COMMISSION SECURITY INSPECTION REPORT 05000325/2019410 AND  
05000324/2019410 dated February 15, 2019

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☒ PUBLICLY AVAILABLE      ☐ NON-PUBLICLY AVAILABLE      ☐ SENSITIVE      ☒ NON-SENSITIVE

ADAMS: ☒ Yes      ACCESSION NUMBER: **ML 19046A294**      ☒ SUNSI REVIEW COMPLETE      ☒ FORM 665 ATTACHED

OFFICE	RII:DRS/PSB	RII:DRS/PSB	RII:DRS/PSB	RII:DRP/RPB4	RII:DRS/PSB	
SIGNATURE	JXJ5	JHW2	JCS3	LFP1 for SDR2	JCS3	
NAME	J. Justice	J. Wallo	J. Shehee	S. Rose	J. Shehee	
DATE	2/ 13 /2019	2/ 12 /2019	2/ 13 /2019	2/ 14 /2019	2/ 15 /2019	
E-MAIL COPY	YES NO	YES NO	YES NO	YES NO	YES NO	

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**U.S. NUCLEAR REGULATORY COMMISSION**

**Inspection Report**

Docket Nos: 05000325 and 05000324

License Nos: DPR-71 and DPR-62

Report Nos: 05000325, 324/2019410

Enterprise Identifier: I-2019-410-0012

Licensee: Duke Energy Carolinas, LLC.

Facility: Brunswick Steam Electric Plant, Units 1 and 2

Location: Southport, NC

Dates: November 5 – 9, 2018 (Duke Corporate Office)  
January 29 - 31, 2019 (Onsite)

Inspectors: Jon Wallo, Senior Physical Security Inspector  
Jared Justice, Physical Security Inspector

Approved by: James Shehee, Acting 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 Baseline Security 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 were identified.

## **INSPECTION SCOPE**

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. 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**

### 71130.01 - Access Authorization (1 Sample)

The inspectors evaluated the access authorization program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: All requirements  
Tier II: 02.05(a, b), 02.06(a, b), 02.07(a, b), 02.08(a, b, c)  
Tier III: 02.09, 02.10(a, b, c), 02.11(a, b)

### 71130.06 – Protection of Safeguards Information (1 Sample)

The inspectors evaluated the safeguards information protection program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: All requirements  
Tier II: 02.04(a, b), 02.05(a), 02.06, 02.07(c)  
Tier III: 02.08, 02.09(a, b)

### 71130.08 – Fitness for Duty (1 Sample)

The inspectors evaluated the fitness for duty program. The following elements were evaluated from this IP dated January 1, 2019.

Tier I: All requirements  
Tier II: All requirements  
Tier III: All requirements

## **EXIT MEETINGS AND DEBRIEFS**

On January 31, 2019, the inspectors presented the Baseline Security Inspection results to Mr. R. Gideon and other members of the licensee staff.

## **LIST OF DOCUMENTS REVIEWED**

### **PROCEDURES**

AD-SY-ALL-0110, Protection of Information Related to Nuclear Security, Rev. 4  
AD-SY-ALL-0301, Nuclear Worker Unescorted Access Authorization Program, Rev. 4  
AD-SY-ALL-0310, Access Authorization Processing, Rev. 3  
AD-SY-ALL-0320, Personnel Access Data System, Rev. 2  
AD-SY-ALL-0340, Access Authorization Training and Qualification Program, Rev. 1  
AD-SY-ALL-0370, Access Processing of Foreign Nationals, Rev. 0  
AD-SY-ALL-0401, Fitness for Duty Program, Rev. 2  
AD-SY-ALL-0405, Fitness for Duty Violations, Rev. 0  
AD-SY-ALL-0410, Fitness for Duty Drug and Alcohol Collections, Rev. 2  
AD-SY-ALL-0415, Fitness for Duty Blind Performance Testing Procedure, Rev. 2  
AD-SY-ALL-0420, Fitness for Duty Unscheduled Callout, Rev. 1  
AD-SY-ALL-0440, Fitness for Duty Training and Qualification Program, Rev. 1  
AD-SY-ALL-0451, Behavior Observation Program, Rev. 3  
AD-SY-ALL-0460, Managing Fatigue and Work Hour Limits, Rev. 2  
PY-SY-ALL-0004, Duke Energy Nuclear Generation Fitness for Duty Policy, Rev. 1  
Various Nuclear Oversight and Self-Screener Audits  
Various Monthly Vital Area and CBOP Review Records  
Safeguards Information (SGI) Training and Qualification Documents

### **CONDITION REPORTS**

02166435      02142379      02246284      02255153