



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

November 14, 2022

Jamie Coleman  
Regulatory Affairs Director  
Southern Nuclear Company  
7825 River Road, BIN 63031  
Waynesboro, GA 30830

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNIT 3 – INTEGRATED  
INSPECTION REPORT 05200025/2022010


Dear Ms. Coleman:

On September 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Vogtle Electric Generating Plant, Unit 3. On October 18, 2022, the NRC inspectors discussed the results of this inspection with Mr. Glen Chick, Vogtle 3 & 4 Executive Vice President, 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,

 Signed by Davis, Bradley  
on 11/14/22

Bradley J. Davis, Chief  
Construction Inspection Branch 2  
Division of Construction Oversight

Docket No. 05200025

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNIT 3 – INTEGRATED INSPECTION REPORT 05200025/2022010 – dated November 14, 2022

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

Docket Number: 05200025

License Number: NPF-91

Report Number: 05200025/2022010

Enterprise Identifier: I-2022-010-0056

Licensee: Southern Nuclear Company

Facility: Vogtle Electric Generating Plant, Unit 3

Location: Waynesboro, GA

Inspection Dates: August 4, 2022 to September 30, 2022

Inspectors: J. Eargle, Senior Resident Inspector  
C. Even, Sr Construction Inspector  
T. Fredette, Reactor Operations Engineer  
B. Griman, Resident Inspector  
B. Kemker, Senior Resident Inspector  
R. Mathis, Sr. Construction Inspector  
J. Parent, Resident Inspector  
R. Patel, Sr. Construction Inspector

Approved By: Bradley J. Davis, Chief  
Construction Inspection Branch 2  
Division of Construction Oversight

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at Vogtle Electric Generating Plant, Unit 3, 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.

## PLANT STATUS

Unit 3 began and ended the inspection period in no mode, as the unit was preparing for initial fuel load activities.

## 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) 2515, "Light-Water Reactor Inspection Program - Operations Phase." 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.

## REACTOR SAFETY

### 71111.05 - Fire Protection

#### Fire Area Walkdown and Inspection Sample (IP Section 03.01) (1 Sample)

The inspectors conducted fire protection walkdowns focusing on the availability, accessibility, and condition of firefighting equipment in the risk-significant plant areas list below. The inspectors reviewed these fire areas to assess if the licensee had implemented a fire protection program that adequately controlled combustibles and ignition sources within the plant; effectively maintained fire detection and suppression capability; maintained passive fire protection features in good material condition; and implemented adequate compensatory measures for out-of-service, degraded, or inoperable fire protection equipment, systems, or features in accordance with the licensee's Fire Protection Plan. The inspectors verified fire hoses and extinguishers were in their designated locations and available for immediate use; fire detectors and sprinklers were unobstructed; transient material loading was within the analyzed limits; and fire doors, dampers, and penetration seals appeared to be in satisfactory condition.

- (1) Division A, B, C, & D DC Equipment Rooms and Battery Rooms on September 21

### 71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

#### Licensed Operator Requalification Training/Examinations (IP Section 03.02) (1 Sample)

The inspectors assessed the operators' performance of the simulated events focusing on alarm response, command and control of crew activities, communication practices, and procedural adherence. The inspectors also observed the operations training staff's post-evaluation critique to assess the ability of the licensee's evaluators to identify performance deficiencies. The crew's performance in these areas was compared to pre-established operator action expectations and successful critical task completion requirements.

- (1) The inspectors observed licensed operators during simulator training on September 22.

## 71111.15 - Operability Determinations and Functionality Assessments

### Operability Determination or Functionality Assessment (IP Section 03.01) (1 Sample)

The inspectors reviewed selected potential operability/functionality issues based on the safety significance of the associated components and systems. The inspectors verified the conditions did not render the associated equipment inoperable/non-functional or result in an unrecognized increase in plant risk. When applicable, the inspectors verified the licensee appropriately applied TS limitations, appropriately returned the affected equipment to an operable or functional status, and reviewed the licensee's evaluation of the issue with respect to the regulatory reporting requirements. Where compensatory measures were required to maintain operability, the inspectors determined whether the measures in place would function as intended and were properly controlled. When applicable, the inspectors also verified the licensee appropriately assessed the functionality of SSCs that perform specified functions described in the UFSAR, Technical Requirements Manual, Emergency Plan, Fire Protection Plan, regulatory commitments, or other elements of the current licensing basis when degraded and/or nonconforming conditions were identified.

The inspectors review the following issue:

- (1) FDT-CAP-Z0-604-01, "Coating Carbon Steel Structures, Systems, or Components, AP1000 Plant", application on the containment vessel interior surface on September 14.

## 71111.22 - Surveillance Testing

The inspectors reviewed surveillance testing results for the following activities to determine whether risk-significant systems and equipment were capable of performing their intended safety functions and to verify testing was conducted in accordance with applicable procedural and TS requirements. The inspectors observed selected portions of the test activities and reviewed the test methodology and documentation to verify equipment performance was consistent with safety analysis and design basis assumptions, test equipment was used within the required range and accuracy, applicable prerequisites described in the test procedures were satisfied, test frequencies met TS requirements to demonstrate operability and reliability, and appropriate testing acceptance criteria were satisfied. When applicable, the inspectors also verified test results not meeting acceptance criteria were addressed with an adequate operability evaluation or the system or component was declared inoperable.

### Surveillance Tests (other) (IP Section 03.01) (2 Samples)

- (1) 3-PMS-OTS-20-001, "Remote Shutdown Workstation 24-Month Surveillance," on September 8
- (2) 3-CVS-OTS-10-004, "CVS Valve Actuation and Exercise Test", on September 16

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On October 18, 2022, the inspectors presented the integrated inspection results to Mr. Glen Chick, Vogtle 3 & 4 Executive Vice President, and other members of the licensee staff.

**DOCUMENTS REVIEWED**

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.15	Procedures	FDT-CAP-Z0-604-01	"Coating Carbon Steel Structures, Systems, or Components, AP1000 Plant"	3
		WSS-3094-TWI-01	"Preparing Surfaces and Applying Coatings for Containment"	1
71111.22	Procedures	3-CVS-OTS-10-004	CVS Valve Actuation and Exercise Test	Version D=0.3
		3-PMS-OTS-20-001	Remote Shutdown Workstation 24-Month Surveillance	C=0.2