



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

March 1, 2023

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 4 – NRC REPORT 05200026/2022009**

Dear Jamie Coleman:

On February 6, 2023, the NRC completed its end-of-cycle performance review of Vogtle Electric Generating Plant (VEGP) Unit 4. The NRC reviewed inspection results and enforcement actions from January 1, 2022, through December 31, 2022. This letter informs you of the NRC's assessment during this period and the NRC's plans for future inspections at your facility.

The NRC determined that overall, VEGP Unit 4 was being constructed in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at VEGP Unit 4 during the most recent quarter was within the Licensee Response Column of the NRC's Construction Reactor Oversight Process (cROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance. Therefore, the NRC plans to conduct cROP baseline inspections at your Unit 4 facility for the 2023 calendar year, pending transition to the Reactor Oversight Process (ROP) upon the issuance of the 10 CFR 52.103(g) Finding.

The enclosed inspection plan lists the inspections scheduled for 2023. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed are tentative and may be revised based on construction activities at the site. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997- 4510 with any questions you have regarding this letter.

Sincerely,



Signed by Covert, Nicole
on 03/01/23

Nicole Covert, Chief
Construction Inspection Branch 1
Division of Construction Oversight

Docket No.: 52-00026

License No.: NPF-92

Enclosure: Vogtle Unit 4 Inspection Plan

cc w/ encl: Distribution via LISTSERV

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 4 – NRC REPORT 05200026/2022009 Dated March 1, 2023

DISTRIBUTION:

R2EICS

RidsNrrVpo

DCO

Public

ADAMS ACCESSION NUMBER: ML23053A134

☒ SUNSI Review		☒ Non-Sensitive ☐ Sensitive		☒ Publicly Available ☐ Non-Publicly Available	
OFFICE	RII: DCO	RII: DCO	RII: DCO	RII: DCO	
NAME	G. Khouri	C. Even	B. Davis	N. Covert	
DATE	2/22/2023	2/22/2023	2/27/2023	3/01/2023	

OFFICIAL RECORD COPY

Vogtle Unit 4 Inspection Plan

This enclosure lists the Inspections, Tests, Analyses, Acceptance Criteria (ITAAC), and program inspections expected to be completed in 2023.

Inspection Manual Chapter (IMC) 2503 – ITAAC Inspections

All of Unit 4 ITAAC inspections will occur prior to the 10 CFR 52.103(g) finding.

Civil

- Structural reconciliation ITAAC inspections for containment and the shield building
- Flood barriers walkdown and report review

Mechanical

- Review of American Society of Mechanical Engineers (ASME) final system reports
- Containment vessel interior/exterior coatings
- As-built pipe rupture hazard analysis report
- Installation of reactor coolant system (RCS) safety valves
- As-built walkdowns of structures, systems, and components (SSCs)

Electrical

- Electrical physical separation ITAACs
- As-built walkdowns of SSCs

Initial Test Program (ITP)/Operation Programs

- Component and preoperational tests
- Security program and ITAACs
- Preservice inspection (PSI), inservice inspection (ISI), inservice testing (IST)
- Reactor vessel material surveillance
- Motor operated valves (MOVs)
- Radiation protection (RP), process and effluent monitoring (PEM)
- Fire protection
- Emergency preparedness

Enclosure

Vogtle Unit 4 Inspection Plan

IMC 2504 – Construction and Operational Program Inspections

The following Unit 4 program inspections will occur prior to the 10 CFR 52.103(g) finding (except startup testing, as indicated below).

Construction Programs - Appendix A

- Quality Assurance (QA) inspection focused areas (Inspection Procedure (IP) 35007)
 - Work package adherence
 - Re-work of construction activities
 - Electrical installation
 - Preventative maintenance
- Corrective Action Program (CAP) inspections (IP 35007)
- ITAAC maintenance (IP 40600). Anticipating two inspections – first quarter 2023 and prior to 103(g) finding

Operational Programs - Appendix B

- Cyber security inspection –first quarter 2023
- PSI – first quarter 2023
- ISI – first quarter 2023
- Physical security – first or second quarter 2023
- RP and PEM – second quarter 2023
- Preservice testing/MOV/IST – second or third quarter 2023
- Component and preoperational testing – as available
- IP 72304 “AP 1000 Startup Test Inspections” – after 52.103(g)