



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
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March 3, 2021

Mr. Michael Yox  
Regulatory Affairs Director  
Southern Nuclear Operating Company  
7825 River Road, Bldg. 302, Vogtle 3&4  
Waynesboro, GA 30830

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING  
PLANT UNITS 3 & 4 (NRC REPORT 05200025/2020006 AND  
05200026/2020006)

Dear Mr. Yox:

On February 8, 2021, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Vogtle Electric Generating Plant (VEGP) Units 3 & 4. The NRC reviewed inspection results and enforcement actions from January 1, 2020, through December 31, 2020. This letter informs you of the NRC's assessment of your facility during this period and the NRC's plans for future inspections at your facility.

The NRC determined that overall, VEGP Units 3 & 4 were being constructed in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at VEGP Units 3 & 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 2021 calendar year and for Unit 3, 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 through December 2021. 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. Please be advised that the NRC will continue to track the completion of commitments 3a, 3c, and 4d for Confirmatory Orders (CO) EA-18-130 and EA-18-171 (NRC's Agencywide Documents Access and Management System (ADAMS) Accession No. ML19249B612) dated November 20, 2019. The NRC recognizes the flux the workforce is likely to experience as the units get closer to commercial operation and the NRC will continue to maintain its oversight of the safety conscience work environment (SCWE) at Vogtle Units 3 and 4 through normal and CO follow-up inspection activities to verify the 2020 improvements are sustainable.

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,

***/RA/***

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

Docket Nos.: 52-00025, 52-00026

License Nos.: NPF-91, NPF-92

Enclosure:

Vogtle Units 3&4 Inspection Plan

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SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING PLANT UNITS 3 & 4 (NRC REPORT 05200025/2020006 AND 05200026/2020006) DATED: MARCH 3, 2021

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DATE	2/23/2021	2/23/2021	3/3/2021			

**Inspection Test Analysis Acceptance Criteria (ITAAC) Inspections  
Inspection Manual Chapter (IMC 2503)**

Estimated Date	Description
<p>1Q thru 4Q 2021 (See Note 1)</p>	<p>The majority of ITAAC related inspections for the 2021 calendar year are expected to be associated with the following construction and fabrication activities:</p> <p><b><u>Unit 3:</u></b></p> <p>Civil</p> <ul style="list-style-type: none"> <li>– Structural reconciliation ITAAC inspections for the shield building and auxiliary building radiological/non-radiological areas</li> <li>– Passive Containment Cooling System tank deflection and leak inspection</li> <li>– Flood barriers walkdown and report review</li> </ul> <p>Mechanical</p> <ul style="list-style-type: none"> <li>– Review of ASME Code Section III Division 1 N-5 Data Reports for the piping systems of targeted ITAACs</li> <li>– As-built walkdowns of structures, systems, and components (SSCs)</li> </ul> <p>Electrical</p> <ul style="list-style-type: none"> <li>– Electrical physical separation ITAACs</li> <li>– As-built walkdowns of SSCs</li> </ul> <p>Initial Test/Operation Programs</p> <ul style="list-style-type: none"> <li>– Component and Preoperational tests ITAACs and Security ITAACs</li> </ul> <p><b><u>Unit 4:</u></b></p> <p>Civil</p> <ul style="list-style-type: none"> <li>– Final structural inspections of the auxiliary and shield buildings (Including structural reconciliation ITAACs)</li> </ul> <p>Mechanical</p> <ul style="list-style-type: none"> <li>– Completion of welding and nondestructive examination inspections</li> <li>– Containment structural integrity tests</li> <li>– Reactor Coolant System (RCS) hydrostatic test</li> <li>– Installation of key valves (RCS Safety, Squib)</li> <li>– Review of ASME reports</li> <li>– As-built walkdowns of SSCs</li> </ul> <p>Electrical</p> <ul style="list-style-type: none"> <li>– Electrical and instrumentation ITAACs</li> <li>– As-built walkdowns of SSCs</li> </ul> <p>Initial Test/Operations Programs</p> <ul style="list-style-type: none"> <li>– Component and Preoperational tests ITAACs and Security ITAACs</li> </ul>

<b>Construction and Operational Program Inspections (IMC 2504) Construction Programs - Appendix A ( See Note 1)</b>	
2Q 2021	Quality Assurance (QA), Inspection Procedure (IP) 35007
2Q 2021	Corrective Action Program, IP 35007
2Q 2021	Confirmatory Order/Safety Conscious Work Environment (IP 92702 and IP 35007)
2Q 2021	ITAAC Maintenance, IP 40600
<b>Operational Programs - Appendix B (See Note 1)</b>	
1Q 2021	Preoperational Test Program, IP 70367
1Q 2021	Physical Security (Security-Related) (See Note 2)
1Q 2021	Target Set (Security-Related)
1Q 2021	QA Operations
1Q 2021	Radiation Protection, IPs 83533 thru 85337
1Q 2021	Process Effluent Monitoring, IPs 84527 thru 84529, 80522, 83531
1Q 2021	Preservice and MOV Testing, IP 73758
1Q 2021	Inservice Testing, IP 73758
1Q 2021	Startup Test Program, IP 72401
1Q & 2Q 2021	Preservice Inspection, IPs 73054, 73754, 73757
1Q & 2Q 2021	Component and Preoperational Testing, IP 70702
2Q 2021	Environmental Qualification, IP 51080
2Q 2021	Fire Protection, IP 64704
3Q 2021	Containment Leak Rate Testing, IP 70368
3Q 2021	Cyber Security (Security-Related)
3Q 2021	Inservice Inspection, IP 73054
3Q 2021	Part 52, Inspection of Startup Test Program, IP 72304 (See Note 2)

Notes:

1. Inspection schedule is subject to change based on licensing and construction activities.
2. This inspection will occur after the 10 CFR 52.103(g) determination