



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

October 9, 2019

Mr. Michael Yox  
Regulatory Affairs Director  
Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Unit 3  
Waynesboro, GA 30830

SUBJECT: VOGTLE 3 – PLANT REFERENCE SIMULATOR INSPECTION REQUEST FOR INFORMATION

Dear Mr. Yox:

From December 3 - 5, 2019, the U.S. Nuclear Regulatory Commission (NRC) will perform a Construction program inspection at the Vogtle Electric Generating Plant Unit 3. The inspection will verify that the plant referenced simulator is designed and implemented so that it is enough in scope and fidelity to be suitable for conduct of the evolutions listed in 10 CFR 55.45(a)(1) through (13), and 55.59(c)(3)(i)(A) through (AA) using NRC Inspection Procedure (IP) 41502, Nuclear Power Plant Simulation Facilities.

This inspection is resource-intensive for both the NRC inspectors and your staff. To minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. It is important that all these documents are up-to-date, and complete, to minimize the number of additional documents requested during the preparation, and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff. We understand that our regulatory contact for this inspection will be Jaxson Nelson (706-848-7862; [jnelson@southernco.com](mailto:jnelson@southernco.com)) of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, David Lanyi at 404- 997-4487 ([david.lanyi@nrc.gov](mailto:david.lanyi@nrc.gov)), or the Chief, Operations Branch 2, Eugene Guthrie at 404-997-4662 ([Eugene.Guthie@nrc.gov](mailto:Eugene.Guthie@nrc.gov)).

This letter and its enclosure 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, and Requests for Withholding."

Sincerely,

*/RA/*

Eugene F. Guthrie, Chief  
Operations Branch 2  
Division of Reactor Safety

Docket No.: 52-25  
License No.: NPF-91

Enclosure:  
Document Request List

cc: Distribution via Listserv

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INFORMATION dated October 9, 2019

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DATE	10/9/2019	10/9/2019				

## **Document Request List**

Inspection Dates: December 3 - 5, 2019

Inspection Procedure (IP): 41502, Nuclear Power Plant Simulation Facilities

**Note:** This is a list of the documents to be provided to the inspectors. The current version of these documents is expected unless specified otherwise. The documentation will be requested in two batches. The first batch will consist of all Plant Simulator Program Procedures and a list of all completed simulator tests, a list of all open and closed simulator Deficiency Reports, and a listing of all applicable simulator related Training Needs Assessments or Evaluations. The second batch of information will be a smart sample chosen by the inspectors from the list provided in the first batch.

The preferred file format is Word or searchable “.pdf” files on CDROM or CERTREC. *[Note that the inspectors cannot accept data provided on USB or “flash” drives due to NRC IT security policies]*

It is not the intent that large or burdensome data be scanned for this. This data will be inspected using original documentation. Material can be provided prior to the inspection via Southern Company's ftp site.

### **Initial Document Request (Due October 16, 2019)**

- All procedures associated with testing and maintaining the Plant Reference Simulator
- A list of all completed simulator tests
- A list of all simulator open and closed Deficiency Reports
- A list of all simulator Training Needs Assessments

### **Follow-up Document Request (Due October 28, 2019 or as agreed upon after the first batch)**

- One Steady State Test
- One power ascension test from Cold Shutdown to Rated Power
- Two transient tests
- Five malfunction tests (at least 3 should relate to nuclear and/or thermal-hydraulic operating characteristics and two should relate to extensive logic/interlock performance)
- Up to five Scenario Based Tests (if any have been completed)
- One Reactor Core performance test including predicted model's performance
- Complete Deficiency Reports for items of interest

### **Lead Inspector Contact Information:**

David.Lanyi  
404-997-4487  
[David.Lanyi@nrc.gov](mailto:David.Lanyi@nrc.gov)

Enclosure