



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

August 25, 2020

Mr. Sonny Dean  
Site Vice President  
Southern Nuclear Operating Company, Inc.  
Edwin I. Hatch Nuclear Plant  
11028 Hatch Parkway North  
Baxley, GA 31513

SUBJECT: EDWIN I. HATCH NUCLEAR POWER PLANT UNITS 1 AND 2 – PLANT  
REFERENCE SIMULATOR INSPECTION REQUEST FOR INFORMATION

Dear Mr. Dean:

In September and October 2020, the U.S. Nuclear Regulatory Commission (NRC) will perform an inspection of the Edwin I. Hatch Nuclear Power Plant with the onsite inspection tentatively planned for October 19 through 23. The newly installed simulator is built on a slightly different platform and has a slightly different I/O system than the existing platform. Therefore, the inspection will verify whether or not the newly installed 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 Kip Wainwright ((334)-453-3617; [bkwainwr@southernco.com](mailto:bkwainwr@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.Guthrie@nrc.gov](mailto:Eugene.Guthrie@nrc.gov)).

S. Dean

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 Nos.: 50-321, 50-366  
License Nos.: DPR-57, NPF-5

Enclosure:  
Document Request List

cc: Distribution via Listserv

SUBJECT: EDWIN I. HATCH NUCLEAR POWER PLANT UNITS 1 AND 2 – PLANT REFERENCE  
SIMULATOR INSPECTION REQUEST FOR INFORMATION dated August 25, 2020

**DISTRIBUTION**

M. Kowal  
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**ADAMS Accession No:****ML20239A746**

OFFICE	RII: DRS/OB2	RII: DRS/OB2					
Names	D. Lanyi	G. Guthrie					
DATE	8/25/2020	8/25/2020					

## **Document Request List**

Inspection Dates: September 2 – October 23, 2020

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

**Note:** This is a list of the documents to be provided to the inspector. The current version of these documents is expected unless specified otherwise. The preferred file format is Word or searchable “.pdf” files. *[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.

### **Follow-up Document Request (Due September 11, 2020)**

- Steady State Performance at 100% Power – Test #: 617-1/2
- Startup from cold shutdown to 100% RTP - Test #: 601-0
- Maximum Size Un-isolable Main Steam Line Rupture – Test #: 709-0
- Simultaneous Closure of all Main Steam Isolation Valves Combined with Single Stuck Open Safety/Relief Valves (Inhibit Activation of High Pressure Emergency Core Cooling Systems) – Test #: 710-0
- Feedwater System Failure
- Loss of SDC
- MSL/Feedline Breaks
- Failure of Auto Rx Trip System
- Rx Pressure Control Failure
- Core Performance Testing
- Complete Deficiency Reports for:
  1. 18879
  2. 22486
  3. 22563
  4. 22647
  5. 23116

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

David.Lanyi

404-997-4487

[David.Lanyi@nrc.gov](mailto:David.Lanyi@nrc.gov)

Enclosure