



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

April 3, 2013

Mr. Tom E. Tynan
Vice President
Southern Nuclear Operating Company, Inc.
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

SUBJECT: NOTIFICATION OF VOGTLE ELECTRIC GENERATING PLANT -
COMPONENT DESIGN BASES INSPECTION - NRC INSPECTION REPORT
05000424/2013007 AND 05000425/2013007

Dear Mr. Tynan:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a component design bases inspection (CDBI) at your Vogtle Electric Generating Plant during the weeks of July 15 - 19, July 29 - August 2, and August 12 - 16, 2013. The inspection team will be led by Geoffrey Ottenberg, a Senior Reactor Inspector from the NRC's Region II Office. This inspection will be conducted in accordance with the baseline inspection procedure, Procedure 71111.21, "Component Design Bases Inspection," issued August 14, 2012.

The inspection will evaluate the capability of risk significant / low margin components to function as designed and to support proper system operation. The inspection will also include a review of selected operator actions, operating experience, and modifications.

During a telephone conversation on March 28, 2013, Mr. Ottenberg confirmed with George Gunn of your staff, arrangements for an information-gathering site visit and the three-week onsite inspection. The schedule is as follows:

- Information-gathering visit: Week of June 24 - 28, 2013
- Onsite weeks: July 15 - 19, July 29 - August 2, and August 12 - 16, 2013

The purpose of the information-gathering visit is to meet with members of your staff to identify risk-significant components and operator actions. Information and documentation needed to support the inspection will also be identified. Mr. George Macdonald, a Region II Senior Reactor Analyst, will support Mr. Ottenberg during the information-gathering visit to review probabilistic risk assessment data and identify risk significant components, which will be examined during the inspection.

The Enclosure lists documents that will be needed prior to the information-gathering visit. Please provide the referenced information to the Region II office by June 10, 2013. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

Additional documents will be requested during the information-gathering visit. The additional information will need to be made available to the team in the Region II office prior to the inspection teams' preparation week of July 8, 2013. Mr. Ottenberg will also discuss the following inspection support administrative details: (1) availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection, (2) method of tracking inspector requests during the inspection, (3) licensee computer access, (4) working space, (5) arrangements for site access, and (6) other applicable information.

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

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Ottenberg at 404-997-4658 or me at 404-997-4530.

Sincerely,

/RA/

Rebecca L. Nease, Chief
Engineering Branch 1
Division of Reactor Safety

Docket Nos. 50-424, 50-425
License Nos. NPF-68, NPF-81

Enclosure:
Information Request for Vogtle Electric
Generating Plant – Component Design
Bases Inspection

cc: (See page 3)

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Sincerely,

/R/

Rebecca L. Nease, Chief
Engineering Branch 1
Division of Reactor Safety

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Enclosure:
Information Request for Vogtle Electric
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cc: (See page 3)

☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: _____

☒ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII: DRS	RII: DRS					
SIGNATURE	RA	RA					
NAME	Ottenberg	Nease					
DATE	4/3/2012	4/3/2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRS\ENG BRANCH 1\BRANCH INSPECTION FILES\2011-2012-2013
CYCLE EB1 INSPECTION FOLDERS FOR ALL SITES\VOGTLE\2013 VOGTLE CDB\VOGTLE CDB\ 2013007 NOTIFICATION
LETTER_GKO.DOCX

cc:

C. Russ Dedrickson
Fleet Support Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

S. Kuczynski
Chairman, President and CEO
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Todd L. Youngblood
Vice President
Fleet Oversight
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

W. L. Bargeron
Plant Manager
Vogtle Electric Generating Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. G. Bost
Chief Nuclear Officer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

N. J. Stringfellow
Licensing Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Paula Marino
Vice President
Engineering
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. A. Lynch
Vice President
Joseph M. Farley Nuclear Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Dennis R. Madison
Vice President
Edwin I. Hatch Nuclear Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Leigh Perry
SVP & General Counsel-Ops & SNC
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. E. Tynan
Site Vice President
Vogtle Electric Generating Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

C. R. Pierce
Nuclear Licensing Director
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

B. D. McKinney, Jr.
Regulatory Response Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. W. Daughhetee
Licensing Engineer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Bradley J. Adams
Vice President
Fleet Operations Support
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. D. Honeycutt
Regulatory Response Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. P. Hill
Licensing Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. L. Crumpton
Administrative Assistant, Sr.
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

(cc cont'd – See page 3)

(cc cont'd)

Hickox, T. Mark
Vogtle Electric Generating Plant
Electronic Mail Distribution

Mark Rauckhorst
Site Vice President
Vogtle Units 3 and 4
Southern Nuclear Operating Company
Electronic Mail Distribution

S. C. Swanson
Site Support Manager
Vogtle Electric Generating Plant
Electronic Mail Distribution

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Vogtle Electric Generating Plant
U.S. NRC
7821 River Road
Waynesboro, GA 30830

Arthur H. Domby, Esq.
Troutman Sanders
Electronic Mail Distribution

Jerry Ranalli
Municipal Electric Authority of Georgia
Power
Electronic Mail Distribution

Sandra Threatt, Manager
Nuclear Response and Emergency
Environmental Surveillance
Bureau of Land and Waste Management
Department of Health and Environmental
Control
Electronic Mail Distribution

Division of Radiological Health
TN Dept. of Environment & Conservation
401 Church Street
Nashville, TN 37243-1532

Richard Haynes
Director, Division of Waste Management
Bureau of Land and Waste Management
S.C. Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Lee Foley
Manager of Contracts Generation
Oglethorpe Power Corporation
Electronic Mail Distribution

Mark Williams
Commissioner
Georgia Department of Natural Resources
Electronic Mail Distribution

Chuck Mueller
Manager
Policy and Radiation Program
Georgia Department of Natural Resources
Electronic Mail Distribution

Cynthia A. Sanders
Radioactive Materials Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

James C. Hardeman
Environmental Radiation Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

Mr. Steven M. Jackson
Senior Engineer - Power Supply
Municipal Electric Authority of Georgia
Electronic Mail Distribution

Reece McAlister
Executive Secretary
Georgia Public Service Commission
Electronic Mail Distribution

Office of the Attorney General
40 Capitol Square, SW
Atlanta, GA 30334

(cc cont'd – See page 4)

(cc cont'd)

Office of the County Commissioner
Burke County Commission
Electronic Mail Distribution

Director
Consumers' Utility Counsel Division
Governor's Office of Consumer Affairs
2 M. L. King, Jr. Drive
Plaza Level East; Suite 356
Atlanta, GA 30334-4600

Amy Whaley
Resident Manager
Electronic Mail Distribution

Letter to Tom E. Tynan from Rebecca L. Nease dated April 3, 2013

SUBJECT: NOTIFICATION OF VOGTLE ELECTRIC GENERATING PLANT -
COMPONENT DESIGN BASES INSPECTION - NRC INSPECTION REPORT
05000424/2013007 AND 05000425/2013007

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INFORMATION REQUEST FOR VOGTLE ELECTRIC GENERATING PLANT COMPONENT DESIGN BASES INSPECTION

Please provide the information electronically in “.pdf” files, Excel, or other searchable format on CDROM. (or FTP site, SharePoint, etc.) The CDROM (or website) should be indexed and hyperlinked to facilitate ease of use.

1. From your most-recent probabilistic safety analysis (PSA) *excluding* external events and fires:
 - a. Two risk rankings of components from your site-specific probabilistic safety analysis (PSA): one sorted by Risk Achievement Worth (RAW), and the other sorted by Birnbaum Importance
 - b. A list of the top 500 cutsets
2. From your most-recent probabilistic safety analysis (PSA) *including* external events and fires:
 - a. Two risk rankings of components from your site-specific probabilistic safety analysis (PSA): one sorted by Risk Achievement Worth (RAW), and the other sorted by Birnbaum Importance
 - b. A list of the top 500 cutsets
3. Risk ranking of operator actions from your site-specific PSA sorted by RAW. Provide human reliability worksheets for these items.
4. List of time critical operator actions with a brief description of each action.
5. List of Emergency and Abnormal Operating Procedures revised (significant) since June 14, 2010, with a brief description of each revision.
6. List of components with low design margins (i.e., pumps closest to the design limit for flow or pressure, diesel generator close to design-required output, heat exchangers close to rated design heat removal, and MOV risk-margin rankings, etc.), and associated evaluations or calculations.
7. List of station operating experience evaluations/reviews performed, and documented in the station's corrective action program, for industry events and safety related equipment failures/vulnerabilities [as communicated by NRC Generic Communications, Industry Communications, 10 CFR Part 21 Notifications, etc.] since June 14, 2010.
8. List and brief description of safety related SSC design modifications implemented since June 14, 2010.
9. List and brief description of common-cause component failures that have occurred since June 14, 2010.

Enclosure

10. List and brief description of operability evaluations completed since June 14, 2010.
11. List of equipment on the site's Station Equipment Reliability Issues List, including a description of the reason(s) why each component is on that list, and summaries (if available) of your plans to address the issue(s).
12. List and brief description of equipment currently in degraded or nonconforming status as described in RIS 05-020.
13. List and reason for equipment classified in maintenance rule (a)(1) status since June 14, 2010, to present.
14. Copies of System Descriptions (or the like design basis documents) for Safety-Related Systems.
15. Copy of UFSAR(s).
16. Copy of Technical Specification(s).
17. Copy of Technical Specifications Bases.
18. Copy of Technical Requirements Manual(s).
19. List and brief description of Root Cause Evaluations that have been performed since June 14, 2010.
20. In-service Testing Program Procedure(s).
21. Corrective Action Program Procedure(s).
22. One line diagram of electrical plant. (Electronic and full size – hard copy week of June 24, 2013)
23. Index and legend for electrical plant one-line diagrams.
24. Primary AC calculation(s) for safety-related buses.
25. Primary DC calculation(s) for safety-related buses.
26. PI&D's for Safety-Related systems. (Electronic and 1/2 size – hard copy week of June 24, 2013)
27. Index and Legend for PI&Ds.
28. Copy of Operability determination procedure(s).
30. Copies of condition reports associated with findings from previous CDBI. (If applicable)

31. Index (procedure number, titles, and current revision) of station Emergency Operating Procedures (EOPs), Abnormal Operating Procedures (AOPs), and Annunciator Response Procedures (ARPs).
32. Copy of any self-assessments performed in preparation for this inspection.
33. List of any condition reports generated in preparation for this inspection.
34. Copies of condition reports generated from previous CDBI (2010).
35. Contact information for a person to discuss PRA information prior to and during the information-gathering trip. (Name, title, phone number, and e-mail address)