



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

June 18, 2010

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

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT - NRC EMERGENCY
PREPAREDNESS INSPECTION REPORT 05000424/2010-501 AND
05000425/2010-501

Dear Mr. Tynan:

On May 21, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Vogtle Electric Generating Plant, Units 1 and 2. The enclosed inspection report documents the inspection results, which were discussed on May 21, 2010, with you and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response, if any, 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 Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,
/George Kuzo RA for/

Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No.: 50-424, 50-425
License No.: NPF-68, NPF-81

Enclosure: Inspection Report 05000424/2010-501 and 05000425/2010-501
w/Attachment: Supplemental Information

cc w/encl.: (See page 2)

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cc w/encl:
B. D. McKinney, Jr.
Regulatory Response Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

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

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

Jeffrey T. Gasser
Executive Vice President
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. Mike Stinson
Vice President
Fleet Operations Support
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Licensing Manager
Southern Nuclear Operating Company, Inc.
P.O. Box 1295
Bin - 048
Birmingham, AL 35201-1295

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

Bob Masse
Resident Manager
Vogtle Electric Generating Plant
Oglethorpe Power Corporation
Electronic Mail Distribution

Moanica Caston
Vice President and General Counsel
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Chris Clark
Commissioner
Georgia Department of Natural Resources
Electronic Mail Distribution

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

F. Allen Barnes
Director
Environmental Protection Division
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 A. Sommerville
Program Coordination Branch Chief
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

Ted V. Jackson
Emergency Response and 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

(cc w/encl continued next page)

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(cc w/encl continued)

Mr. Reece McAlister
Executive Secretary
Georgia Public Service Commission
Electronic Mail Distribution

Office of the Attorney General
Electronic Mail Distribution

Office of the County Commissioner
Burke County Commission
Electronic Mail Distribution

Arthur H. Domby, Esq.
Troutman Sanders
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

Susan E. Jenkins
Director, Division of Waste Management
Bureau of Land and Waste Management
S.C. Department of Health and
Environmental Control
Electronic Mail Distribution

SNC

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Letter to Tom E. Tynan from Brian Bonser dated June 18, 2010

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT - NRC EMERGENCY
PREPAREDNESS INSPECTION REPORT 05000424/2010-501 AND
05000425/2010-501

Distribution w/encl:

C. Evans, RII

L. Slack, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMVogtle Resource

U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 05000424, 05000425

License Nos.: NPF-68, NPF-81

Report No.: 05000424/2010-501 and 05000425/2010-501

Licensee: Southern Nuclear Operating Company, Inc.

Facility: Vogtle, Units 1 and 2

Location: Waynesboro, GA

Dates: May 17, 2010 through May 21, 2010

Inspectors: L. Miller, Senior Emergency Preparedness Inspector
J. Dodson, Senior Project Engineer
J. Beavers, Emergency Preparedness Inspector
R. Schmitt, Emergency Preparedness Specialist
M. Speck, Resident Inspector

Approved by: Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000424/2010-501, 05000425/2010-501; 06/17/2010 – 06/21/2010; Vogtle Electric Generating Plant, Units 1 and 2; Baseline Inspection.

The report covered an announced inspection by two emergency preparedness inspectors, one senior project engineer, one resident inspector and one emergency preparedness specialist. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

A. NRC-Identified and Self-Revealing Findings

No findings of significance were identified.

B. Licensee-Identified Violations

None

Enclosure

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation

a. Inspection Scope

Prior to the inspection activity, the inspectors conducted an in-office review of the exercise objectives and scenario submitted to the NRC to determine if the exercise would test major elements of the emergency plan as required by 10 CFR 50.47(b)(14).

The onsite inspection consisted of the following review and assessment:

- The adequacy of the licensee's performance in the biennial exercise, conducted on May 17, 2010, was reviewed and assessed regarding the implementation of the Risk Significant Planning Standards (RSPS) in 10 CFR 50.47 (b)(4), (5), (9), and (10) which address emergency classification, offsite notification, radiological assessment, and protective action recommendations, respectively.
- The overall adequacy of the licensee's emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities" and Emergency Plan commitments. The facilities assessed were the Control Room Simulator, Technical Support Center (TSC), Operations Support Center (OSC), and Emergency Operations Facility (EOF).
- Other performance areas, such as: the emergency response organization's (ERO) recognition of abnormal plant conditions; command and control, intra- and inter-facility communications; prioritization of mitigation activities; utilization of repair and field monitoring teams; interface with offsite agencies; and the overall implementation of the emergency plan and its implementing procedures.
- Past performance issues from NRC inspection reports and Federal Emergency Management Agency (FEMA)/Department of Homeland Security (DHS) exercise reports to determine the effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10 CFR 50.47(b)(14).
- The post-exercise critique process and the presentation to the licensee's senior management conducted on May 19, 2010, to evaluate the licensee's self-assessment of its ERO performance during the exercise and to ensure compliance with 10 CFR 50, Appendix E, Subsection IV.F.2.g.

The inspectors reviewed various documents which are listed in the Attachment. This inspection activity satisfied one inspection sample for the exercise evaluation on a biennial basis.

Enclosure

b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level and Emergency Plan Changes

a. Inspection Scope

Since the last NRC inspection of this program area, revisions 53, 54, and 55 of the Emergency Plan were implemented. The licensee determined that in accordance with 10 CFR 50.54(q), the changes resulted in no decrease in the effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR Part 50. The inspectors conducted a sampling review of the implementing procedure changes made between May 2009 and April 2010 to evaluate for potential decreases in effectiveness of the Plan. However, this review was not documented in a Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 04, "Emergency Action Level and Emergency Plan Changes." The applicable planning standard (PS), 10 CFR 50.47(b)(4) and its related 10 CFR 50, Appendix E requirements were used as reference criteria.

The inspectors reviewed various documents which are listed in the Attachment report. This inspection activity satisfied one inspection sample for the emergency action level and emergency plan changes on an annual basis.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator Verification

a. Inspection Scope

The inspector sampled licensee submittals relative to the Performance Indicators (PIs) listed below for the period July 1, 2009 through Mar 31, 2010. To verify the accuracy of the PI data reported during that period, PI definitions and guidance contained in NEI 99-02, "Regulatory Assessment Performance Indicator Guideline", Revision 6, were used to confirm the reporting basis for each data element.

Emergency Preparedness Cornerstone

- Emergency Response Organization Drill/Exercise Performance (DEP)
- Emergency Response Organization Readiness (ERO)
- Alert and Notification System Reliability (ANS)

For the specified review period, the inspector examined data reported to the NRC, procedural guidance for reporting PI information, and records used by the licensee to identify potential PI occurrences. The inspector verified the accuracy of the DEP through review of a sample of drill and event records. The inspector reviewed selected training records to verify the accuracy of the ERO PI for personnel assigned to key positions in the ERO. The inspector verified the accuracy of the PI for ANS reliability through review of a sample of the licensee's records of periodic system tests. Licensee procedures, records, and other documents reviewed within this inspection area are listed in the Attachment.

The inspector reviewed various documents which are listed in the Attachment. This inspection activity satisfied one inspection sample for each of the three (3) Emergency Preparedness PIs, i.e., DEP, ERO, and ANS, on an annual basis.

b. Findings

No findings of significance were identified.

4OA6 Meetings, Including Exit

On May 21, 2010, the lead inspector presented the inspection results to Mr. Tynan and other members of the plant staff. The inspectors confirmed that proprietary information was not provided during the inspection.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee personnel

T. Tynan, Site Vice President
L. Mansfield, Engineering Director
R. Anderson, Emergency Preparedness Supervisor
S. Swanson, Site Support Manager
T. Parton, Operations Support Superintendent

ITEMS OPENED, CLOSED, AND DISCUSSED

NONE

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Procedures

91001-C, Emergency Classification and Implementing Instructions, Rev. 34.0
91002-C, Emergency Notifications, Rev. 54.0
91101-C, Emergency Response Organization, Rev. 24.1
91102-C, Duties of Emergency Director, Rev. 30
91103-C, Duties of the TSC Manager, Rev. 21.0
91104-C, Duties of the Operations Support Center Manager, Rev. 24.0
91106-C, Duties of the TSC Support Coordinator, Rev. 17
91110-C, Duties of the Health Physics Supervisor (TSC), Rev. 22
91201-C, Activation and Operation of the Technical Support Center, Rev. 16
91202-C, Activation and Operation of the Operations Support Center, Rev. 20.0
91401-C, Assembly and Accountability, Rev. 18.0
91301-C, Emergency Exposure Guidelines, Rev. 10.0
91303-C, Field Sampling and Surveys, Rev. 25.0
91304-C, Estimating Offsite Dose, Rev. 23.0
91501-C, Recovery, Rev. 18
91502-C, Core Damage Assessment, Rev. 18
91601-C, Emergency Preparedness Training, Rev. 21
NMP-EP-002, Duty Manager, Rev. 5
NMP-EP-101, Emergency Operations Facility (EOF) Activation, Rev. 3.0
NMP-EP-102, EOF Manager, Rev. 2.0
NMP-EP-104, Dose Assessment, Rev. 3.0
NMP-EP-109, Protective Action Recommendations, Rev. 2.0
NMP-EP-202, Activation and Notification, Rev. 4.0
NMP-EP-203, Corporate Media News Center, Rev. 4.0
NMP-EP-204, Emergency News Center Operations, Rev. 4.0
NMP-EP-205, Emergency Communications News Release, Rev. 4.0
NMP-EP-206, Emergency Communications News Briefing, Rev. 4.0

Attachment

Records and Data

Control Room, Technical Support Center, Operations Support Center, Joint Information Center - Documentation packages (logs, event notification forms, Protective Action Recommendations, Media releases, and Radiological Dose Assessment

Corrective Action Program

2010106784, Unsatisfactory performance in classification task LO-TA-40002
2010106802, Unsatisfactory performance in accurately and timely notification
2010106811, Unsatisfactory performance in assembly and accountability
2010106715, Security failed to meet the accountability objectives
2010106804, 10 CFR 50.54(q)'s did not provide ample justification for the changes
2010106667, Incorrect screen size listed in PAF-91303-C-V25
2010106775, Unannounced fire drill during exercise resulted in 13 minute delay in fire response
2010106812, Controller responses/actions are not consistent

Section 1EP4: Emergency Action Level and Emergency Plan Changes

Changes packages

91102-C, Duties of the Emergency Director, Rev. 30
91104-C, Duties of the OSC Manager, Rev. 24
91106-C, Duties of the TSC Support Coordinator, Rev. 17
91110-C, Activation and Operation of the Technical Support Center
91202-C, Activation and Operation of the Operations Support Center, Rev. 20
91303-C, Fielding Sampling and Surveys, Rev. 25
91502-C, Core Damage Assessment, Rev. 18
91601-C, Emergency Preparedness Training, Rev. 21

Section 4OA1: Performance Indicator Verification

Procedures

00163-C, NRC Performance Indicator and Monthly Operating Report preparation and Submittal, Rev. 14
25722-C, Emergency Alert Siren Performance Test, Revision 14.1
91301-C, Emergency Exposure Guidelines, Revision 10
91303-C, Field Sampling and Surveys, Revision 25
91304-C, Estimating Offsite Dose, Revision 23

Records and Data

DEP opportunities documentation for 2nd Quarter 2009 through 1st Quarter 2010
Drill and exercise participation records of ERO personnel for 2nd Quarter 2009 through 1st Quarter 2010
Siren test data for 2nd Quarter 2009 through 1st Quarter 2010
Various ERO Personnel Qualification and Participation records

LIST OF ACRONYMS

ANS	Alert and Notification System Reliability (ANS)
DEP	Emergency Response Organization Drill/Exercise Performance
DHS	Department of Homeland Security
EOF	Emergency Operations Facility
ERO	Emergency Response Organization Readiness (ERO)
FEMA	Federal Emergency Management Agency
OSC	Operations Support Center
PI	Performance Indicator
PS	Planning Standard
RSPS	Risk Significant Planning Standards
TSC	Technical Support Center