



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

October 19, 2012

Mr. T. Preston Gillespie, Jr.
Site Vice President
Duke Energy Carolinas, LLC
Oconee Nuclear Station
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION – U.S. NUCLEAR REGULATORY
COMMISSION EMERGENCY PREPAREDNESS INSPECTION REPORT
05000269/2012502, 05000270/2012502, AND 05000287/2012502

Dear Mr. Gillespie:

On September 20, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Oconee Nuclear Station. The enclosed inspection report documents the inspection results, which were discussed on September 20, 2012, with you and 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 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,

/RA/

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

Docket No. 50-269, 50-270, 50-287
License No. DPR-38, DPR-47, DPR-55

Enclosure:
IR 05000269/2012502, 05000270/2012502
and 05000287/2012502, w/Att.: Supp. Info.

cc w/encl: (See page 2)

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Distribution w/encl
(See page 4)

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NAME	M. SPECK	B. BONSER	J. BARTLEY	J. LAUGHLIN	G. OTTENBERG		
DATE	10/19/2012	10/19/2012	10/19/2012	10/19/2012	10/19/2012		
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REPORT REV1.DOCX

cc w/encl:

Thomas D. Ray
Plant Manager
Oconee Nuclear Station
Duke Energy Corporation
Electronic Mail Distribution

James A. Kammer
Design Engineering Manager
Oconee Nuclear Station
Duke Energy Corporation
Electronic Mail Distribution

Robert H. Guy
Organizational Effectiveness Manager
Oconee Nuclear Station
Duke Energy Corporation
Electronic Mail Distribution

Terry L. Patterson
Safety Assurance Manager
Duke Energy Corporation
Electronic Mail Distribution

Kent Alter
Regulatory Compliance Manager
Oconee Nuclear Station
Duke Energy Corporation
Electronic Mail Distribution

Judy E. Smith
Licensing Administrator
Oconee Nuclear Station
Duke Energy Corporation
Electronic Mail Distribution

Joseph Michael Frisco, Jr.
Vice President, Nuclear Design Engineering
General Office
Duke Energy Corporation
Electronic Mail Distribution

M. Christopher Nolan
Director - Regulatory Affairs
General Office
Duke Energy Corporation
Electronic Mail Distribution

David A. Cummings (acting)
Fleet Regulatory Compliance & Licensing
Manager
General Office
Duke Energy Corporation
Electronic Mail Distribution

Alicia Richardson
Licensing Administrative Assistant
General Office
Duke Energy Corporation
Electronic Mail Distribution

Lara S. Nichols
Deputy General Counsel
Duke Energy Corporation
Electronic Mail Distribution

David A. Cummings
Associate General Counsel
General Office
Duke Energy Corporation
Electronic Mail Distribution

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

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

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Oconee Nuclear Station
U.S. Nuclear Regulatory Commission
7812B Rochester Hwy
Seneca, SC 29672

Charles Brinkman
Director
Washington Operations
Westinghouse Electric Company, LLC
Electronic Mail Distribution

T. Preston Gillespie

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County Supervisor of Oconee County
415 S. Pine Street
Walhalla, SC 29691-2145

W. Lee Cox, III
Section Chief
Radiation Protection Section
N.C. Department of Environmental
Commerce & Natural Resources
Electronic Mail Distribution

T. Preston Gillespie

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Letter to T. Preston Gillespie, Jr. from Brian Bonser dated October 19, 2012.

SUBJECT: OCONEE NUCLEAR STATION – U.S. NUCLEAR REGULATORY
COMMISSION EMERGENCY PREPAREDNESS INSPECTION REPORT
05000269/2012502, 05000270/2012502, AND 05000287/2012502

Distribution w/encl:

C. Evans, RII EICS (Part 72 Only)

L. Douglas, RII EICS (Linda Douglas)

OE Mail (email address if applicable)

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Enclosure

U.S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 05000269, 05000270, 05000287

License Nos.: DPR-38, DPR-47, DPR-55

Report No.: 05000269/2012502, 05000270/2012502, 05000287/2012502

Licensee: Duke Power Company, LLC

Facility: Oconee Nuclear Station, Units 1, 2, and 3

Location: Seneca, SC

Dates: September 17, 2012, through September 20, 2012

Inspectors: M. Speck, Senior Emergency Preparedness Inspector
J. Laughlin, Emergency Preparedness Specialist
G. Ottenberg, (Acting) Senior Resident Inspector
K. Ellis, Resident Inspector

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

Enclosure

SUMMARY OF FINDINGS

IR 05000269/2012502; 05000270/2012502; 05000287/2012502; 09/17-20/2012; Oconee Nuclear Station, Unit 1, 2 and 3; Baseline Inspection

The report covered an announced inspection by one senior emergency preparedness inspector, one emergency preparedness specialist, one senior resident inspector, and one resident inspector. 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

None

B. Licensee-Identified Violations

None

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation

a. Inspection Scope

Prior to the arrival onsite, 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 September 18, 2012, 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), Operational 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 September 20, 2012, 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.

b. Findings

No findings 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, 2011, through June 30, 2012. 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 were identified.

4OA6 Meetings, Including Exit

On September 20, 2012, the lead inspector presented the inspection results to Mr. P. Gillespie 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

K. Alter, Regulatory Affairs Manager
M. Austin, Corporate Emergency Preparedness Functional Area Manager
M. Barnes, Nuclear Oversight Manager
A. Clarke, Chemistry Scientist
D. Crowl, Emergency Planning staff
P. Gillespie, Site Vice President
T. Patterson, Safety Assurance Manager
J. Smith, Regulatory Affairs specialist
P. Street, Emergency Preparedness Manager
R. Taylor, Emergency Planning staff
R. Waterman, Emergency Planning staff

ITEMS OPENED, CLOSED, AND DISCUSSED

None

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Procedures

EPFAM Section 3.19, Drills and Exercises, Rev. 1
SH/0/B/2005/001, Emergency Response Offsite Dose Projections, Rev. 6
SH/0/B/2005/002, Protocol for the Field Monitoring Coordinator During Emergency Conditions, Rev. 5
HP/0/B/1009/018, Off-Site Dose Projections, Rev. 23
RP/0/B/1000/001, Emergency Classification, Rev. 31
RP/0/B/1000/002, Control Room Emergency Coordinator Procedure, Rev. 24
RP/0/B/1000/009, Procedure for Site Assembly, Rev. 15
RP/0/B/1000/010, Procedure for Emergency Evacuation/Relocation of Site Personnel, Rev. 7
RP/0/B/1000/015B, Offsite Communications from the Technical Support Center, Rev. 16
RP/0/B/1000/018, Core Damage Assessment, Rev. 5
RP/0/B/1000/019, Technical Support Center Emergency Coordinator Procedure, Rev. 27
RP/0/B/1000/024, Protective Action Recommendations, Rev. 008
RP/0/B/1000/025, Operational Support Center Manager Procedure, Rev. 23
SR/0/B/2000/003, Activation of the Emergency Operations Facility, Rev. 25
SR/0/B/2000/004, Notification to the States and Counties from the Emergency Operations Facility for Catawba, McGuire, and Oconee, Rev. 16

Records and Data

Control Room, Technical Support Center, Operational Support Center, Emergency Operations Facility, Joint Information Center, Central Emergency Response Center - Documentation packages (logs, event notification forms, Protective Action Recommendations, Media releases,

and Radiological Dose Assessments) 2010, 2011, and 2012, Emergency Exercise and drill scenario documents

Corrective Action Program documents

G-12-1567; Dose assessment software release status issue
 G-12-1571; Pickens County late fax receipt of EAL classifications
 G-12-1572; JIC communications systems failures
 G-12-1573; EOF access card reader not continuously monitored
 O-12-10949; Post-accident sample lineup procedure step issue
 O-12-10988; Emergency worker protection issues
 O-12-10989; DEP PI data observations
 O-12-10990; EPFAM 3.19 recommendation
 O-12-10991; Pen room blow-out panel design question
 O-12-10992; Unshaven RP techs
 O-12-10993; Exercise performance observations
 O-12-10890; Drill participation credit basis not always obvious
 O-12-10945; Site assembly process inconsistency

Section 4OA1: Performance Indicator Verification

Procedures

EPFAM Section 3.3, Alert and Notification System (Siren Program), Revision 11
 EPFAM Section 3.6, Alert and Notification System – Oconee Specific Supplement, Rev. 5
 EPFAM Section 3.7, NRC Regulatory Assessment Performance Indicator Guideline –
 Emergency Preparedness Cornerstone, Rev. 19

Records and Data

DEP opportunities documentation for 3rd, and 4th quarter 2011, and 1st and 2nd quarter 2012
 Siren test data for 3rd and 4th quarter 2011, and 1st and 2nd quarter 2012
 ERO training records for 3rd and 4th quarter 2011, and 1st and 2nd quarter 2012

Corrective Action Program Documents

O-11-10473, Classification error evaluation
 O-12-02754, Missed DEP opportunities
 O-12-02757, Late classification

LIST OF ACRONYMS USED

ANS	Alert and Notification System
DEP	Drill and Exercise Performance
DHS	Department of Homeland Security
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
FEMA	Federal Emergency Management Agency
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
OSC	Operations Support Center
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center