



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

April 24, 2008

Mr. David A. Baxter
Site Vice President
Duke Power Company, LLC d/b/a Duke Energy Carolinas, LLC
Oconee Nuclear Station
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION - NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000269/2008501, 05000270/2008501 and
05000287/2008501

Dear Mr. Baxter:

On April 3, 2008, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at your Oconee Nuclear Station. The enclosed inspection report documents the inspection results, which were discussed on April 3, 2008, with Mr. R. Glover 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 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 document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/
Brian R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-269, 50-270, 50-287
License Nos. DPR-38, DPR-47, DPR-55

Enclosure: NRC Inspection Report No. 05000269/2008501, 05000270/2008501, and
05000287/2008501

w/Attachment: Supplemental Information
cc w/encl: (See page 2)

April 24, 2008

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X PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE X NON-SENSITIVE
ADAMS: X Yes ACCESSION NUMBER: _____

OFFICE	RII:DRS	RII:DRP	RII:DRP	RII:DRS	RII:DRP		
SIGNATURE	/RA/	/RA/	/RA/	Wade Loo for	/RA/		
NAME	Lee Miller	Erick Riggs	Dan Rich	Brian Bonser	Kathy Weaver		
DATE	04/23/2008	04/24/2008	04/23/2008	04/24/2008	04/24/2008		
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

cc w/encl:

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Letter to David A. Baxter from Brian Bonser dated April 24, 2008

SUBJECT: OCONEE NUCLEAR STATION - NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000269/2008, 05000270/2008 AND 05000287/2008

Distribution w/encl:

RIDSNRRDIRS

PUBLIC

L. Olshan, NRR (PM: OCO)

U. S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos: 50-269, 50-270, 50-287

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

Report Nos: 05000269/2008501, 05000270/2008501 and 05000287/2008501

Licensee: Duke Power Company, LLC

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

Location: Seneca, SC

Dates: March 31- April 3, 2008

Inspector: L. Miller, Senior Emergency Preparedness Inspector
D. Rich, Senior Resident Inspector
E. Riggs, Resident Inspector

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

SUMMARY OF FINDINGS

IR 05000269/2008-501, 05000270/2008-501, 05000287/2008-501; 03/31/2008 - 04/03/2008;
Oconee Nuclear Station, Units 1, 2, and 3; Baseline Inspection.

The report covered an announced inspection by an emergency preparedness inspector and two resident inspectors. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process."

A. NRC-Identified and Self-Revealing Findings

No findings of significance were identified.

B. Licensee-Identified Violations.

None

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation

a. Inspection Scope

Prior to the inspection activity, the inspector 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). This inspection activity represents one sample on a biennial cycle.

The onsite inspection consisted of the following review and assessment:

- The adequacy of the licensee's performance in the biennial exercise conducted on April 1, 2007, was reviewed and assessed regarding the implementation of the Risk Significant Planning Standards (RSPSs) 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 besides the RSPS, 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 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 April 3, 2008, to evaluate the licensee's self-assessment of its ERO performance during the exercise and to ensure compliance with 10 CFR 50 Appendix E.IV.F.2.g.

The inspector reviewed various documents which are listed in the Attachment to this report.

Enclosure

b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level (EAL) and Emergency Plan Changes

a. Inspection Scope

The inspector's review of revisions to the emergency plan, implementing procedures, and EAL changes was performed to determine that changes had not decreased the effectiveness of the plan. The inspector evaluated the associated 10 CFR 50.54(q) reviews associated with non-administrative emergency plan, implementing procedures, and EAL changes. The inspector reviewed Oconee Emergency Plan Revision 2007-02 and changes to the implementing procedures from July 2007 to March 2008.

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 criteria contained in NUMARC/NESP-007, Methodology for Development of Emergency Action Levels, Revision 2, and Regulatory Guide 1.101 were also used as references.

The inspector reviewed various documents which are listed in the Attachment to this report. This inspection activity satisfied one inspection sample for the EAL 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

Cornerstone: Emergency Preparedness

The inspector sampled licensee submittals for the three Performance Indicators (PIs) listed below for units one and two. For each of the submittals, the inspector reviewed the period from July to December 2007. To verify the accuracy of the PI data reported during that period, PI definitions and guidance contained in Nuclear Energy Institute (NEI) 99-02, "Regulatory Assessment Indicator Guideline," Revision 5, were used to verify the basis in reporting for each data element.

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

The inspectors reviewed portions of the raw PI data developed from monthly performance indicator reports and discussed the methods for compiling and reporting the PIs with emergency preparedness personnel. The inspector also independently screened drill and exercise opportunity evaluations, drill participation reports, and drill evaluations. Selected reported values were calculated to verify their accuracy. The inspectors compared graphical representations from the most recent PI report to the raw data to verify that the data was correctly reflected in the report.

The inspector reviewed various documents which are listed in the Attachment to this report. This inspection satisfied three inspection samples for PI verification on an annual basis.

b. Findings

No findings of significance were identified.

4OA6 Meetings, including Exit

On April 3, 2008, the lead inspector presented the inspection results to Mr. Glover and other members of your staff. The inspector confirmed that proprietary information was not provided during the inspection.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee personnel

R. Glover, Station Manager
R. Freudenberger, Safety Assurance Manager
R. Brown, Emergency Preparedness Manager
D. Hubbard, Training Manager

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Procedures

RP/0/B/1000/001, Emergency Classification, Rev. 22
RP/0/B/1000/024, Protective Action Recommendations, Rev. 007
3.5 Emergency Planning Functional Area Manual, Basis for Protective Action Recommendations, Rev. 4

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 Assessments)

Corrective Actions – Problem Investigation Process

O-08-01711, Risk Significant Planning Standard Failure associated with classification of event
O-08-01712, Notifications to Offsite Agencies
O-08-01725, Dose Projection during EP exercise considered PI failure
O-08-01713, Lessons learned for evaluated exercise conducted on April 1, 2008

1EP4 Emergency Action Level (EAL) and Emergency Plan Changes

Change Packages

Emergency Plan, Rev. 2007-02
HP/0/B/1009/018 Off-site Dose Calculation, Rev. 23
RP/0/B/1000/024, Protective Action Recommendations, Rev. 007
RP/0/B/1000/001, Emergency Classification, Rev. 22

40A1 Performance Indicator VerificationRecords and Data

Performance Indicator Monthly Data from July 2007 to December 2007
Selected training records of drill/exercise participation of ERO personnel

LIST OF ACRONYMS

ANS	Alert and Notification System (ANS) Testing
DEP	Emergency Response Organization Drill/Exercise Performance
DHS	Department of Homeland Security
EAL	Emergency Action Level
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
FEMA	Federal Emergency Management Agency
NEI	Nuclear Energy Institute
OSC	Operations Support Center
PI	Performance Indicator
PS	Planning Standard
RSPSs	Risk Significant Planning Standards
TSC	Technical Support Center