



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

August 19, 2008

Mr. J. R. Morris
Site Vice President
Duke Power Company, LLC d/b/a Duke Energy Carolinas, LLC
Catawba Nuclear Station
4800 Concord Road
York, SC 29745-9635

SUBJECT: CATAWBA NUCLEAR STATION - NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000413/2008501 AND 05000414/2008501

Dear Mr. Morris:

On July 31, 2008, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at your Catawba Nuclear Station, Unit 1 and 2. The enclosed inspection report documents the inspection results, which were discussed on July 31, 2008, with Mr. J. Pitesa 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. 50-413, 50-414
License Nos. NPF-35, NPF-52

Enclosure: Inspection Report No. 05000413/2008501 and 05000414/2008501
w/Attachment: Supplemental Information

(cc w/encl: See Page 2)

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE

ADAMS: Yes ACCESSION NUMBER: _____ SUNSI REVIEW COMPLETE

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	/RA/	/RA/					
NAME	Lee Miller	Brian Bonser					
DATE	08/19/2008	08/19/2008	8/ /2008	8/ /2008	8/ /2008	8/ /2008	8/ /2008
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

cc w/encl:

Randy D. Hart
Regulatory Compliance Manager
Duke Power Company, LLC d/b/a Duke
Energy Carolinas, LLC
Electronic Mail Distribution

R. L. Gill, Jr.
Manager
Nuclear Regulatory Issues & Industry Affairs
Duke Power Company, LLC d/b/a Duke
Energy Carolinas, LLC
Electronic Mail Distribution

Dhiaa M. Jamil
Group Executive and Chief Nuclear Officer
Duke Energy Carolinas, LLC
Electronic Mail Distribution

Kathryn B. Nolan
Senior Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

Lisa F. Vaughn
Associate General Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

Senior Resident Inspector
Duke Energy Corporation
Catawba Nuclear Station
U.S. NRC
4830 Concord Road
York, SC 29745

David A. Repka
Winston Strawn LLP
Electronic Mail Distribution

North Carolina MPA-1
Suite 600
P.O. Box 29513
Raleigh, NC 27525-0513

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

R. Mike Gandy
Division of Radioactive Waste Mgmt.
S.C. Department of Health and
Environmental Control
Electronic Mail Distribution

Beverly O. Hall
Chief, Radiation Protection Section
Department of Environmental Health
N.C. Department of Environmental
Commerce & Natural Resources
Electronic Mail Distribution

Elizabeth McMahon
Assistant Attorney General
S.C. Attorney General's Office
P.O. Box 11549
Columbia, SC 29211

Vanessa Quinn
Federal Emergency Management Agency
500 C Street, SW
Room 840
Washington, DC 20472

North Carolina Electric Membership
Corporation
Electronic Mail Distribution

County Manager of York County
York County Courthouse
York, SC 29745

Piedmont Municipal Power Agency
Electronic Mail Distribution

Peggy Force
Assistant Attorney General
State of North Carolina
P.O. Box 629
Raleigh, NC 27602

DPC

3

Letter to J. R. Morris from Brian Bonser dated August 19, 2008

SUBJECT: CATAWBA NUCLEAR STATION - NRC EMERGENCY PREPAREDNESS
INSPECTION REPORT 05000413/2008501 AND 05000414/2008501

Distribution w/encl:

RIDSNRRDIRS

PUBLIC

J. Stang, NRR (PM: CAT, MCG)

U. S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos: 50-413, 50-414

License Nos: NPF-35, NPF-52

Report Nos: 05000413/2008501 and 05000414/2008501

Licensee: Duke Power Company, LLC

Facility: Catawba Nuclear Station, Units 1 and 2

Location: York, SC 29741

Dates: July 28 - 31, 2008

Inspectors: Lee Miller, Senior Emergency Preparedness Inspector
Bob Holbrook, Emergency Preparedness Inspector
Andrew Sabisch, Senior Resident Inspector
Jason Paige, Resident Inspector (Acting)

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

Enclosure

SUMMARY OF FINDINGS

IR 05000413/2008-501, 05000414/2008-501; 07/28-31/2008; Catawba Nuclear Station, Units 1 and 2; Emergency Preparedness Baseline Inspection.

The report covered an announced inspection by two emergency preparedness inspectors 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

None.

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 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 July 29, 2008, 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 July 31, 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.

Enclosure

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

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, Revision 07-2 of the Catawba Emergency Plan was implemented based on the licensee's determination, in accordance with 10 CFR 50.54(q), that 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 Emergency Plan changes and implementing procedure changes made between September 2007 and June 2008 to evaluate for potential decreases in effectiveness of the Emergency 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 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 inspectors sampled licensee submittals for three Performance Indicators (PI) listed below. For each of the submittals reviewed, the inspectors reviewed the period from April 1, 2007 through March 31, 2008. 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 cognizant emergency preparedness personnel. The inspectors 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. Reviewed documents are listed in the Attachment to this report.

b. Findings

No findings of significance were identified.

4OA5 Other Activities

.1 (Closed) NRC Temporary Instruction (TI) 2515/175, Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review

The inspectors completed Temporary Instruction TI 2515/175, Emergency Response Organization, Drill/Exercise Performance Indicator, and Program Review. Appropriate documentation of the results was provided to NRC, HQ, as required by the TI. This completes the Region II inspection requirements for this TI for Catawba Nuclear Station.

4OA6 Meetings, including Exit

On July 31, 2008, the lead inspector presented the inspection results to Mr. J. Pitesa 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

J. Pitesa Station Manager
T. Hamilton Manager, Safety Assurance
T. Arlow Safety Assurance/Emergency Preparedness
G. Mitchell Safety Assurance/Emergency Preparedness
E. Beadle Safety Assurance/Emergency Preparedness

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Procedures

Catawba Nuclear Station Emergency Plan, Rev. 07-2
RP/0/A/5000/015, Core Damage Assessment, Rev. 6
RP/0/A/5000/020, Technical Support Center (TSC) Activation Procedure, Rev. 024
RP/0/A/5000/001, Classifications of Emergency, Rev. 019
RP/0/A/5000/003, Alert, Rev. 042
RP/0/A/5000/004, Site Area Emergency, Rev. 044
RP/0/A/5000/005, General Emergency, Rev. 045
RP/0/A/5000/006B, Notification to States and Counties from the Technical Support Center, Rev. 024
RP/0/A/5000/020, Technical Support Center (TSC) Activation Procedure, Rev. 024
RP/0/B/5000/013, NRC Notification Requirements, Rev. 030
SR/0/B/2000/003, Activation of the Emergency Operations Facility, Rev. 018
SR/0/B/2000/004, Notification to States and Counties from the Emergency Operations Facility, Rev. 013

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 Action - Problem Investigation Process (PIP)

C-08-04632, 08-3 Exercise items of Risk Significance
C-08-04633, 08-3 Exercise items not Risk Significant
C-08-04575, Plant PA system announcements are almost impossible to hear in the northwest of IAE building 2nd floor.

1EP4 Emergency Action Level and Emergency Plan Changes

Plans and Changes packages

Catawba Nuclear Station Emergency Plan, Rev. 07-2
RP/0/A/5000/001, Classification of Emergency, Rev. 018
RP/0/A/5000/002, Notification of Unusual Event, Rev. 039
RP/0/A/5000/003, Alert, Rev. 042
RP/0/A/5000/004, Site Area Emergency, Rev. 044
RP/0/A/5000/002, General Emergency, Rev. 045

4OA1 Performance Indicator Verification

Procedures

EPFAM Section 3.7, NRC Regulatory Assessment Performance Indicator Guideline -Emergency Preparedness Cornerstone, Rev. 14

Records and Data

Siren System Availability Test Records 4/1/07 – 3/31/08
ERO Personnel Participation 4/1/07 – 3/31/08
DEP Opportunities 4/1/07 – 3/31/08

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
EP	Emergency Preparedness
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
TI	Temporary Instruction
TSC	Technical Support Center