



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

October 13, 2006

Southern Nuclear Operating Company, Inc.
ATTN: Mr. H. L. Sumner
Vice President
P. O. Box 1295
Birmingham, AL 35201

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT - NRC INSPECTION REPORT
05000348/2006011 AND 05000364/2006011

Dear Mr. Sumner:

On September 11-15, 2006, the U. S. Nuclear Regulatory Commission (NRC) conducted an inspection at your Joseph M. Farley Nuclear Plant, Units 1 and 2. The enclosed inspection report documents the inspection findings, which were discussed on September 15, 2006, with Mr. W. Barger and other members of your staff.

The inspection examined activities conducted under your licenses as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your licenses. 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.

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Should you have any questions concerning this letter, please contact us.

Sincerely,

/RA/

Robert C. Haag, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos.: 50-348, 50-364
License Nos.: NPF-2, NPF-8

SNC

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Enclosure: NRC Inspection Report Nos. 05000348/2006011 and 05000364/2006011
w/Attachment: Supplemental Information

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SNC

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U. S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 50-348, 50-364

License Nos.: NPF-2, NPF-8

Report Nos: 05000348/2006011, 05000364/2006011

Licensee: Southern Nuclear Operating Company, Inc.

Facility: Joseph M. Farley Nuclear Plant

Location: 7388 N. State Highway 95
Columbia, AL 36319

Dates: September 11-15, 2006

Inspectors: L. Miller, Senior Emergency Preparedness Inspector
(Sections 1EP1, and 1EP4)
J. Kreh, Emergency Preparedness Inspector (Sections 1EP1, 1EP4, and
4OA1)

Approved by: Robert C. Haag, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000348/2006011, 05000364/2006011; 09/11/2006-09/15/2006; Joseph M. Farley Nuclear Plant, Units 1 & 2; Emergency Preparedness Baseline Inspection.

The report covered an announced inspection by two emergency preparedness inspectors. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

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 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). This inspection activity represents one sample on a biennial cycle.

The onsite inspection consisted of the following review and assessment areas:

- The adequacy of the licensee's performance in the biennial exercise conducted on September 13, 2006, was reviewed and assessed regarding the implementation of the Risk-Significant Planning Standards (RSPSs) of 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, and Emergency Operations Facility.
- Selected performance areas in addition to the RSPSs, 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 Department of Homeland Security 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 to evaluate the licensee's self-assessment of its ERO performance during the exercise and to ensure compliance with Section IV.F.2.g of Appendix E to 10 CFR Part 50.

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 (EAL) and Emergency Plan Changes

a. Inspection Scope

A review of revisions to the Farley emergency plan, including EAL changes, was performed to determine whether the changes resulted in a decrease in the effectiveness of the plan. The inspectors also evaluated the 10 CFR 50.54(q) reviews associated with non-administrative emergency plan and EAL changes. Revisions 43, 44, and 45 to the Farley Emergency Plan were reviewed.

The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 04, "Emergency Action Level and Emergency Plan Changes." The applicable planning standard 10 CFR 50.47(b)(4) and related requirements contained in 10 CFR 50.54(q) and Appendix E to 10 CFR Part 50 were used as reference criteria. This inspection activity represents one sample on an annual cycle.

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

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification

a. Inspection Scope

The inspectors reviewed the licensee's procedure for developing the data for the Emergency Preparedness PIs which are: (1) Drill/Exercise Performance (DEP); (2) ERO Drill Participation; and (3) Alert and Notification System (ANS) Reliability. The inspectors examined data reported to the NRC for the period July 1, 2005 to June 30, 2006. Procedural guidance for reporting PI information and records used by the licensee to identify potential PI occurrences were also reviewed. The inspectors verified the accuracy of the PI for ERO drill and exercise performance through review of a sample of drill and event records. The inspectors reviewed selected training records to verify the accuracy of the PI for ERO drill participation for personnel assigned to key positions in the ERO. The inspectors verified the accuracy of the PI for ANS reliability through review of a sample of the licensee's records of periodic system tests.

The inspection was conducted in accordance with NRC Inspection Procedure 71151, "Performance Indicator Verification." The applicable planning standard, 10 CFR 50.9 and Nuclear Energy Institute (NEI) 99-02, Revisions 3 and 4, "Regulatory Assessment

Performance Indicator Guidelines,” were used as reference criteria. This inspection activity represents three samples on an annual basis.

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

b. Findings

No findings of significance were identified.

4OA6 Meetings, including Exit

On September 15, 2006, the lead inspector presented the inspection results to Mr. W. Bargeron and other members of his staff. The inspectors confirmed that proprietary information was not provided or taken during the inspection.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

W. Bargeron, Assistant General Manager - Operations
P. Harlos, Health Physics Manager
L. Hogg, Security Manager
J. Horn, Training Manager
W. Lee, Emergency Preparedness Supervisor (Corporate)
A. Livingston, Chemistry Manager
B. Moore, Maintenance Manager
R. Vanderbye, Emergency Preparedness Coordinator
R. Wells, Operations Manager

NRC Personnel

J. Baptist, Resident Inspector
C. Patterson, Senior Resident Inspector

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

None

LIST OF DOCUMENTS REVIEWED

Section 1EP1: Exercise Evaluation

Plans and Procedures

FNP-0-EIP-3.0, Duties of the Emergency Director, Version 15
FNP-0-EIP-6.0, TSC Setup and Activation, Version 39
FNP-0-EIP-9.0, Emergency Classification and Actions, Rev. 58
NMP-EP-109, Protective Action Recommendations, Version 1.0

Records and Data from 09/13/2006 Exercise

Emergency Notification Forms (Messages Nos. 1-13) transmitted to State and local agencies
Web EOC Logs
Shift Manager's Log
Emergency Director/TSC Manager Log
Exercise Monitor Management Debrief (handout), 09/15/2006

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

Plans and Procedures

Farley Nuclear Plant (FNP) Emergency Plan, Revision 43
FNP Emergency Plan, Revision 44
FNP Emergency Plan, Revision 45

Records and Data

10 CFR 50.54(q) Evaluation, Applicability Determination, and Licensing Document Change Request for FNP Emergency Plan, Revision 43
10 CFR 50.54(q) Evaluation, Applicability Determination, and Licensing Document Change Request for FNP Emergency Plan, Revision 44
10 CFR 50.54(q) Evaluation, Applicability Determination, and Licensing Document Change Request for FNP Emergency Plan, Revision 45

Section 40A1: Performance Indicator (PI) Verification

Procedures

FNP-0-AP-54, Preparation and Reporting of NRC Performance Indicator Data and NRC Operating Data, Version 7.0

Records and Data

Documentation package (scenario/time line/drill notification forms/critique report) for ERO drill on 06/28/2006
Documentation package (Control Room log/event time line/event notification forms/critique report/Condition Reports) for Alert declaration on 11/08/2005
Records of drill and exercise participation by selected key ERO personnel, 2004-2006
Siren test records for 07/01/2005 - 06/30/2006

LIST OF ACRONYMS AND INITIALISMS

ANS	Alert and Notification System
DEP	Drill/Exercise Performance
EAL	Emergency Action Level
ERO	Emergency Response Organization
IMC	Inspection Manual Chapter
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
PI	Performance Indicator
PS	Planning Standard
RSPS	Risk-Significant Planning Standard
TSC	Technical Support Center

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Docket Nos.: 50-348, 50-364
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ADAMS: Yes ACCESSION NUMBER: _____

OFFICE	RII:DRS	RII:DRS	RII:DRP				
SIGNATURE	RA	RA	RA				
NAME	L Miller	R Haag	S Shaeffer				
DATE	10/11/2006	10/12/2006	10/13/2006	10/ /2006	10/ /2006	10/ /2006	10/ /2006
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO