

Mr. D. N. Morey  
 Vice President - Farley Project  
 Southern Nuclear Operating  
 Company, Inc.  
 Post Office Box 1295  
 Birmingham, Alabama 35201-1295

October 19, 1998

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**SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 - SUPPLEMENT TO SAFETY EVALUATION ASSOCIATED WITH AMENDMENT NOS. 138 AND 130 (TAC NOS. M98855 AND M98856)**

Dear Mr. Morey:

On October 15, 1998, the U.S. Nuclear Regulatory Commission (NRC) issued Amendment No. 138 to Facility Operating License No. NPF-2 and Amendment No. 130 to Facility Operating License No. NPF-8 for the Joseph M. Farley Nuclear Plant (FNP), Units 1 and 2, and issued the related Safety Evaluation (SE), dated October 15, 1998. The amendments change the Technical Specifications (TSs) to revise the Applicable Modes for Source Range Nuclear Instrumentation (TS 3/4.3.1, "Reactor Trip System Instrumentation"), provide allowances for an exception to the requirements for the state of the power supplies for residual heat removal discharge to charging pump suction valves following Mode changes (TS 3/4.5.2, "ECCS Subsystems -  $T_{avg} > 350^{\circ}F$ " and TS 3/4.5.3, "ECCS Subsystems -  $T_{avg} < 350^{\circ}F$ "), and delete cycle-specific guidance concerning manual engineered safety feature functional input checks.

In a conference call on October 16, 1998, Southern Nuclear Operating Company, Inc. (SNC) informed the NRC staff that corrections to the October 15, 1998, SE were necessary.

As a result, the NRC's October 15, 1998, SE is being supplemented to incorporate the corrections. These changes to the SE do not change the conclusions reached in the original SE. Enclosed is the page of the SE affected by these changes. Please replace the page of the October 15, 1998, SE with the enclosed revised page. The revised page contains vertical lines indicating the areas of change. The TS page is correct as issued.

If you have any questions regarding this SE supplement, please call me at (301) 415-2426.

Sincerely,  
 ORIGINAL SIGNED BY:

Jacob I. Zimmerman, Project Manager  
 Project Directorate II-2  
 Division of Reactor Projects - I/II  
 Office of Nuclear Reactor Regulation

Docket Nos. 50-348 and 50-364

Enclosure: As stated

cc: w/encl: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 29, 1998

Mr. D. N. Morey  
Vice President - Farley Project  
Southern Nuclear Operating  
Company, Inc.  
Post Office Box 1295  
Birmingham, Alabama 35201-1295

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 - SUPPLEMENT TO  
SAFETY EVALUATION ASSOCIATED WITH AMENDMENT NOS. 138 AND 130  
(TAC NOS. M98855 AND M98856)

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If you have any questions regarding this SE supplement, please call me at (301) 415-2426.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob I. Zimmerman".

Jacob I. Zimmerman, Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-348 and 50-364

Enclosure: As stated

cc: w/encl: See next page

Joseph M. Farley Nuclear Plant

cc:

Mr. L. M. Stinson  
General Manager -  
Southern Nuclear Operating Company  
Post Office Box 470  
Ashford, Alabama 36312

Rebecca V. Badham  
SAER Supervisor  
Southern Nuclear Operating Company  
P. O. Box 470  
Ashford, Alabama 36312

Mr. Mark Ajluni, Licensing Manager  
Southern Nuclear Operating Company  
Post Office Box 1295  
Birmingham, Alabama 35201-1295

Mr. M. Stanford Blanton  
Balch and Bingham Law Firm  
Post Office Box 306  
1710 Sixth Avenue North  
Birmingham, Alabama 35201

Mr. J. D. Woodard  
Executive Vice President  
Southern Nuclear Operating Company  
Post Office Box 1295  
Birmingham, Alabama 35201

State Health Officer  
Alabama Department of Public Health  
434 Monroe Street  
Montgomery, Alabama 36130-1701

Chairman  
Houston County Commission  
Post Office Box 6406  
Dothan, Alabama 36302

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
Atlanta Federal Center  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, Georgia 30303

Resident Inspector  
U.S. Nuclear Regulatory Commission  
7388 N. State Highway 95  
Columbia, Alabama 36319

suction to the containment sump during the recirculation phase of operation. In order to allow transfer to the recirculation phase, the TSs require that the RHR discharge to charging pump suction valves be closed with power supplied to the valves to allow realignment. In Mode 4, TS 3/4.5.3 requires that the RHR discharge to charging pump suction valves be closed with power removed from the valves to prevent possible overpressurization of the charging pump suction line piping.

In order to satisfy TS Surveillance Requirement 4.5.3.2, which specifies that the RHR discharge to charging pump suction valves be open with the power removed prior to entry into Mode 4 from Mode 3, the requirements of TS 3.5.2 would be violated. This conflict exists because the current TSs do not allow time between Modes 3 and 4 to remove power from the valves, or restore power to the valves during the transition from Mode 4 to Mode 3. The proposed TS change adds notes to TS 3/4.5.2 and TS 3/4.5.3 allowing 4 hours after transitioning between Modes 3 and 4 to allow restoration or removal of power to the valve operators as required. This change corrects an inconsistency in the current FNP TSs, and is consistent with allowances provided in the Westinghouse Standard Technical Specifications, NUREG-1431, Revision 1, dated April 7, 1995, to address similar situations and is, therefore, acceptable.

In other administrative TS changes, the licensee proposed to delete the cycle-specific guidance concerning manual engineered safety feature functional input checks. Because the cycle-specific surveillance has been completed in Operating Cycle 14, the TS guidance is no longer needed nor applicable. The staff considers this editorial change acceptable.

### 3.0 STAFF CONCLUSION

The staff has reviewed the licensee's proposed TS changes to resolve compliance issues related to the SR NI and RHR discharge to charging pump suction valves. Based on its review, the staff concludes that the proposed TS changes are acceptable.

### 4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the State of Alabama official was notified of the proposed issuance of the amendments. The State official had no comments.

### 5.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (62 FR 33134, June 18, 1997). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no

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