

July 12, 2004

Mr. L. M. Stinson
Vice President - Farley Project
Southern Nuclear Operating Company
Post Office Box 1295
Birmingham, Alabama 35201

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2, LICENSE RENEWAL
APPLICATION

Dear Mr. Stinson:

By letter dated September 12, 2003, Southern Nuclear Operating Company, Inc. (SNC or the applicant) submitted an application pursuant to 10 CFR Part 54, to renew the operating licenses for Joseph M. Farley Nuclear Plant (FNP), Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application (LRA) and response to the request for additional information (RAI) dated June 18, 2004. The staff has identified, in the enclosure, areas where additional information is needed to complete the review. Specifically, the enclosed RAI is from Section B.5.9, Periodic Surveillance and Preventive Maintenance Activities Program, based on the applicant's RAI response dated June 18, 2004.

This RAI, in a draft format, has been provided to Mr. Jan Fridrichsen of your staff on July 1, 2004. The NRC staff has discussed the draft version of this RAI, via a conference call, to provide clarifications to the SNC staff on July 12, 2004. Your response to this RAI is requested within 30 days from the date of this letter. Mr. Fridrichsen has agreed to this request. If needed, the NRC staff is willing to meet or discuss with SNC again prior to the submittal of the applicant's response to provide further clarifications to the staff's RAI.

If you have any questions, please contact me at 301-415-1315 or e-mail tyl1@nrc.gov.

Sincerely,

/RA/

Tilda Liu, Senior Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
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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Ltr. to Mr. L.M. Stinson, Re: Request for Additional Information for the Review of the Joseph M. Farley Nuclear Plant, Units 1 and 2, License Renewal Application

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**JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION (LRA)
REQUEST FOR ADDITIONAL INFORMATION (RAI)**

Section B.5.9: Periodic Surveillance and Preventive Maintenance Activities (PSPMA) Program

RAI B.5.9-1

The staff requests the applicant to provide the following information related to PSPMA program:

- a. Explain how inspections for the presence of corrosion products or fluid leakage, wall thickness, pressure, temperature, and flow will be used to detect the presence and extent of aging effects for the internal elastomer tank diaphragms.
- b. State the diaphragm inspection frequency for boric acid tanks, reactor makeup water storage tanks, and condensate storage tanks and the basis for determining this frequency.
- c. Explain how the data collected are evaluated against the acceptance criteria to provide a prediction of the rate of degradation in order to confirm that the timing of the next scheduled inspection will occur before a loss of intended function.
- d. Provide plant-specific and industry operating experience for degradation of internal elastomer tank diaphragms to support the conclusion that the diaphragms will be adequately managed by the PSPMA or commit to providing operating experience in the future to confirm the effectiveness of the new PSPMA.

Enclosure

Joseph M. Farley Nuclear Plant

cc:

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