

January 30, 1997

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

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SUBJECT: INTERIM PLUGGING CRITERIA 90-DAY REPORTS - JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 (TAC NOS. M92506 AND M92507)

Dear Mr. Morey:

By letters dated February 2, 1996, and July 26, 1995, you submitted reports in accordance with the Technical Specifications for Joseph M. Farley Nuclear Plants Units 1 and 2, respectively, that summarized the results of your assessment of the eddy current inspection results with respect to the requirements established for voltage-based tube repair criteria. The reports assess the Farley Unit 1 and 2 steam generators at the end of Cycle 13 and Cycle 10, respectively.

The NRC staff, with technical assistance from its contractor, the Pacific Northwest National Laboratory (PNNL), has reviewed the 90-day outage reports. Based on the independent assessment of the 90-day outage reports, the NRC staff concludes that the end-of-cycle (EOC) projections of the steam generator tube degradation for tubes affected by outside diameter stress corrosion cracking are acceptable per the guidance in Generic Letter 95-05, "Voltage-Based Repair Criteria For Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking" and the draft generic letter on voltage-based steam generator tube repair criteria, respectively. The cycle-specific amendments approving the use of voltage-based repair criteria for these units included a reporting threshold for the conditional probability of tube burst of 1×10^{-2} . Both your projections and those completed by PNNL estimated a burst probability below this threshold. In addition, the estimates of the primary-to-secondary leakage during a postulated main steam line break were below the maximum allowable accident leakage.

Enclosure 1 contains a copy of PNNL's final report summarizing its assessment of the 90-day outage report submitted for Farley Unit 1, and Enclosure 2 includes PNNL's report for Unit 2.

Sincerely,

Original signed by:

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

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Docket Nos. 50-348 and 50-364

Enclosures: 1. Technical Letter Report Unit 1
2. Technical Letter Report Unit 2

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in dark 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

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2. Technical Letter Report Unit 2

cc w/encs: See next page

Southern Nuclear Operating Company

Joseph M. Farley Nuclear Plant

cc:

Mr. R. D. Hill, Jr.
General Manager -
Southern Nuclear Operating Company
Post Office Box 470
Ashford, Alabama 36312

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

Mr. H. 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
101 Marietta Street, NW., Suite 2900
Atlanta, Georgia 30323

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