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JUL 30 1982

Docket Nos. 50-348
and 50-364

Mr. F. L. Clayton
Senior Vice President
Alabama Power Company
Post Office Box 2641
Birmingham, Alabama 35291

Dear Mr. Clayton:

SUBJECT: COMPLETION OF NUREG-0737, ITEMS II.F.1.4, II.F.1.5 AND II.F.1.6
ACCIDENT MONITORING INSTRUMENTATION - JOSEPH M. FARLEY NUCLEAR
PLANT, UNITS 1 AND 2

We have reviewed your submittals dated June 1 and 11, and December 22, 1981 and April 16, 1982, on TMI Action Plan Items II.F.1.4, "Containment Pressure Monitor," II.F.1.5, "Containment Water Level Monitor," and II.F.1.6, "Containment Hydrogen Monitor." The scope of our review included all requirements except for the criteria requiring that the equipment be environmentally qualified (Appendix B of NUREG-0737). This letter issue will be reviewed separately under the scope of the Commission's environmental qualification program.

As discussed in the enclosed Safety Evaluation Report (SER), which is a supplement to our SER Supplement No. 5, dated March 1981 (Unit 2 only), we conclude that the requirements of NUREG-0737, Items II.F.1.4, II.F.1.5 and II.F.1.6 for the Joseph M. Farley Nuclear Plant Units 1 and 2 have been met. Thus, these items are considered resolved. For Unit 2, License Conditions 2.C.(21)(f)(4), (5) and (6) are also satisfied and will be deleted in a subsequent routine license amendment.

Sincerely,

Original signed by:
S. A. Varga

Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

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SUPPLEMENT TO THE SAFETY EVALUATION REPORT ON
ITEM II.F.1 (4, 5, & 6) OF NUREG-0737 FOR
JOSEPH M. FARLEY NUCLEAR POWER PLANT, UNITS 1 & 2

Background

The staff reviewed the licensee's design of the containment pressure, water level, and hydrogen concentration monitors (Item II.F.1 (4, 5, & 6) of NUREG-0737 (Reference 1) for Farley, Units 1 & 2. The review was documented for Unit 2 in Safety Evaluation Report Supplement No. 5 to NUREG-75/034, dated March 1981. The licensee's monitoring system was found acceptable except for the lack of recorders for the pressure and water level monitors, and the qualification criteria for these instruments. The review of the qualification criteria is not part of this Safety Evaluation Report. For Unit 2 License Conditions 2.C(21)(f)(4), (5) and (6) required Alabama Power Company to provide descriptions and install the additional accident monitoring instruments for containment pressure, water level, and hydrogen.

Discussion and Consulation

By letters dated June 1 and 11, 1981, the licensee described their containment pressure and water level monitor design which included control room recording capability in accordance with the provisions of NUREG-0737. The staff has reviewed these submittals and concludes that the containment pressure, water level, and hydrogen monitoring systems meet the provisions of NUREG-0737 and are therefore, acceptable.

The staff review documented in SER Supplement No. 5 for Unit 2 is made applicable to Unit 1 by this evaluation. In addition, Unit 2 License Conditions 2.C(21)(f)(4), (5) and (6) are satisfied and will be deleted in a subsequent routine license amendment on the basis of this evaluation.

Principal Contributors:

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