

September 6, 2001

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 RE: REQUEST FOR  
ADDITIONAL INFORMATION - IODINE SPIKING FINAL SAFETY ANALYSIS  
REPORT CHANGE (TAC NOS. MA9918 AND MA9919)

Dear Mr. Morey:

Your August 25, 2000, letter requested amendment to the Joseph M. Farley Nuclear Plant, Units 1 and 2 licenses. The requested changes would revise sections of Chapter 15 of the Updated Final Safety Analysis Report associated with the main steamline break (MSLB) and steam generator tube rupture accidents. The staff needs additional information in order to complete our review. Please provide your reply to the following question:

The analysis proposed for the MSLB analysis assumed that releases from the faulted steam generator continued for 30 minutes. In fact, the release from the primary system to the environment through the faulted steam generator will continue until the primary side pressure is no longer greater than the secondary side pressure. The release is usually several hours in duration.

Provide a radiological dose analysis for the MSLB accident which will reflect releases from the faulted and intact steam generators. It is expected that the revised MSLB analysis will account for the primary side release to the environment through the faulted steam generator for as long as the primary side pressure is greater than the secondary side pressure. The duration of the release from the faulted steam generator should be provided along with its basis. The analysis should also account for the releases to the environment from the intact steam generators for as long as the intact steam generators are utilized to maintain core cooling.

This request has been discussed with Mark Ajluni of your staff and we have reached agreement that a reply is expected within 60 days of the date of this letter. If you have any questions, please call me at (301) 415-1447.

Sincerely,

*/RA/*

Frank Rinaldi, Project Manager, Section 1  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-348 and 50-364

cc: See next page

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Joseph M. Farley Nuclear Plant

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