

Charles R. Pierce  
Regulatory Affairs Director

Southern Nuclear  
Operating Company, Inc.  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, AL 35242

Tel 205.992.7872  
Fax 205.992.7601



A SOUTHERN COMPANY

MAR 15 2016

NL-16-0397  
10 CFR 50.54 (q)

Docket Nos.: 50-348 50-321  
50-364 50-366  
72-36 72-42

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant  
Edwin I. Hatch Nuclear Plant  
Report of Changes to Emergency Plan

Ladies and Gentlemen:

In accordance with 10 CFR 50.54(q)(5) and 10 CFR 72.44(f), Southern Nuclear Operating Company hereby submits descriptions of changes to the Plant Farley and Plant Hatch Emergency Plans and a summary of the analysis demonstrating that the changes do not reduce the effectiveness of either plan and the plans, as changed, continue to meet the requirements in 10 CFR 50 Appendix E and the planning standards of 10 CFR 50.47(b).

Description of Changes and Summary of Analysis

The Plant Farley Emergency Plan communications equipment was improved by a design change to add back-up battery power to the plant emergency alarm and public address system. This change was evaluated in accordance with 10 CFR 50.54(q)(3) and it was determined that adding back-up power supplies was an enhancement to the existing communications equipment, and as such, did not reduce the effectiveness of the Farley Emergency Plan.

The Plant Hatch Emergency Plan was revised to clarify and align Emergency Action Levels (EALs), Emergency Operating Procedures (EOPs), and Severe Accident Guidelines (SAGs) in conformance with NRC Emergency Planning FAQ 2015-004. The NRC's position as stated in the FAQ is: "...NRC recommends that in certain cases it may be advantageous to align EALs and EOPs such that plant operators can readily implement both when needed." Specifically, Plant Hatch procedure NMP-EP-110 GL02 was revised to clarify the primary containment barrier threshold and direct operators to enter into SAGs when reactor water level cannot be restored and a core melt sequence is in progress. This change was evaluated in accordance with 10 CFR 50.54(q)(3) and it was determined that the revised procedure provides increased clarity and alignment of the EOPs and

SAGs, and as such, did not reduce the effectiveness of the Hatch Emergency Plan.

This letter contains no NRC commitments. If you have any questions, please contact Ken McElroy at (205) 992-7369.

Respectfully submitted,



C. R. Pierce  
Regulatory Affairs Director

CRP/EFB

cc: Southern Nuclear Operating Company

Mr. S. E. Kuczynski, Chairman, President & CEO  
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer  
Ms. C. A. Gayheart, Vice President – Farley  
Mr. D. R. Vineyard, Vice President – Hatch  
Mr. M. D. Meier, Vice President – Regulatory Affairs  
Mr. R. L. Mansfield – Director, Emergency Preparedness  
Mr. S. M. Odom, Manager, Emergency Preparedness  
Ms. B. L. Taylor, Regulatory Affairs Manager – Farley  
Mr. G. L. Johnson, Regulatory Affairs Manager – Hatch  
RType: Farley=CFA04.054; Hatch=CHA02.004

U. S. Nuclear Regulatory Commission

Ms. C. Haney, Regional Administrator  
Mr. Scott Moore, Acting Director, Division of Spent Fuel Management  
Mr. M. D. Orenak, NRR Senior Project Manager – Hatch  
Mr. D. H. Hardage, Senior Resident Inspector – Hatch  
Mr. S. A. Williams, NRR Project Manager - Farley  
Mr. P. K. Niebaum, Senior Resident Inspector - Farley

State of Alabama

Dr. T. M. Miller, MD, State Health Officer – Department of Public Health

State of Georgia

Mr. J. H. Turner, Director – Environmental Protection Division