

January 12, 2021

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50-364 50-366 50-425

NL-20-1369

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001Joseph M. Farley Nuclear Plant  
Edwin I. Hatch Nuclear Plant  
Vogtle Electric Generating Plant Units 1 and 2  
Report of Changes to Emergency Plan and Summary of 50.54(q) Analysis

Ladies and Gentlemen:

Pursuant to 10 CFR 50.54(q)(5), Southern Nuclear Operating Company (SNC) hereby submits descriptions of changes to the emergency plan and a summary of the analysis demonstrating that the changes do not reduce the effectiveness of the plan. The emergency plan continues to meet the requirements in 10 CFR 50 Appendix E and the planning standards of 10 CFR 50.47(b). A description of the changes and a summary of the 50.54(q) analysis is enclosed.

This letter contains no NRC commitments. If you have any questions, please contact Jamie Coleman at 205.992.6611.

Respectfully submitted,

  
Cheryl A. Gayheart  
Regulatory Affairs Director

CAG/wag

Enclosure:

1. Description of Emergency Plan Changes and Summary of 50.54(q) Analysis

cc: NRC Regional Administrator, Region II  
NRC NRR Project Manager – Farley, Hatch, and Vogtle  
NRC Senior Resident Inspector – Farley, Hatch, and Vogtle Units 1 and 2  
Georgia - State Director of Environmental Protection Division  
Alabama - Department of Public Health – Director, Office of Radiation Control  
SNC Records RType: CGA02.001

**Joseph M. Farley Nuclear Plant  
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**Enclosure 1**

**Description of Emergency Plan Changes and Summary of 50.54(q) Analysis**

### Description of Emergency Plan Changes

#### Changes to the SNC Fleet Standard Emergency Plan and Annexes

Southern Nuclear Operating Company (SNC) recently updated the SNC Standard Emergency Plan and each Site Annex to implement a number of improvements and clarifications since the previous version was issued. These changes include updates to agency names and supporting outside facility names, updates to SNC personnel titles, addition of Emergency Response Organization (ERO) position descriptions for the existing Field Monitoring Team (FMT) Lead and FMT Assistant, relocation of emergency response facility locations and layouts, clarifying language where needed, and editorial changes. The changes to outside agency names and supporting outside facility names neither alter the duties nor the functions of the agencies and outside facilities. Updates to SNC management personnel titles do not reduce executive and management oversight or management direction for Emergency Preparedness. The changes do not degrade any of the planning standard functions.

#### Vogtle Electric Generating Plant (VEGP) Units 1 and 2 Emergency Plan Change – Plant Vent Monitor 1RE-12444 Replacement and Emergency Action Level (EAL) Update

A design change was implemented to replace the current Unit 1 plant vent wide range gas monitor with a functionally equivalent monitor. There are no changes to the monitor identification number and description or to the EAL setpoints. Likewise, there are no changes to the VEGP procedures that implement the EALs. The new plant vent monitor is functionally equivalent to the existing monitor that was replaced and there is no negative impact on the requirements defined in the Standard Emergency Plan.

### Summary of 50.54(q) Analysis

These changes were evaluated in accordance with 10 CFR 50.54(q)(3), and SNC determined that the changes do not reduce the effectiveness of the SNC Standard Emergency Plan, the site-specific annexes or the approved EAL scheme. The SNC Emergency Plan and EALs continue to meet the requirements in 10 CFR 50 Appendix E and the planning standards of 10 CFR 50.47(b).