

May 11, 2015

Mr. Ronald A. Jones, Vice President  
New Nuclear Operations  
South Carolina Electric & Gas Company  
14368 State Highway 213  
Jenkinsville, SC 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 – UPDATED  
GROUND MOTION RESPONSE SPECTRA (TAC NO. RQ0436)

Dear Mr. Jones:

By letter dated November 5, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14302A180), the U.S. Nuclear Regulatory Commission (NRC or Commission) issued a voluntary request to South Carolina Electric & Gas (SCE&G) requesting an updated Ground Motion Response Spectra (GMRS) and Foundation Input Response Spectra, using (1) NUREG-2115, (2) the most recent Electric Power Research Institute ground motion models for the Central and Eastern United States, and (3) a site response analysis that appropriately considers the uncertainty in the subsurface rock properties beneath the plant.

By letter dated December 5, 2014 (ADAMS Accession No. ML14342A467), SCE&G submitted its response for Virgil C. Summer Units 2 and 3 enclosing the GMRS. We also received your document dated April 28, 2015 (ADAMS Accession No. ML15124A596), regarding the Senior Seismic Hazard Analysis Committee level 2 review for the catalog changes.

The SCE&G response stated that the site-specific results based on the site-specific in-structure response spectra would be provided to the NRC staff in the second quarter of 2015. The NRC staff finds the SCE&G schedule for submitting the seismic information described above for Virgil C. Summer Units 2 and 3 acceptable.

If you have any questions, please contact me at (301) 415-0681 or [Denise.McGovern@nrc.gov](mailto:Denise.McGovern@nrc.gov).

Sincerely,

*/RA/*

Denise McGovern, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027  
52-028

cc: See next page

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Denise McGovern, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027  
52-028

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ADAMS Accession No.: ML15090A152

NRO-002

OFFICE	DNRL/LB4:PM	DNRL/LB4:LA	DSEA/RGS1	DNRL/LB4:BC	DNRL/LB4:PM
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<b>DATE</b>	4/14/15	4/29/15	4/29/15	5/8/15	5/11/15

**OFFICIAL RECORD COPY**

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 – UPDATED  
GROUND MOTION RESPONSE SPECTRA (TAC NO. RQ0436) DATED  
MAY 11, 2015

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(Revised 02/09/2015)

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