Thomas D. Gatlin
Vice President, Nuclear Operations
803.345.4342

SCE&G®
A SCANA COMPANY

June 14,2013
RC-13-0083

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Dear Sir/Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS) UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
WESTINGHOUSE TOPICAL REPORT WCAP-16996-P VOLUMES I, II, AND III, REVISION 0, "REALISTIC LOCA EVALUATION METHODOLOGY APPLIED TO THE FULL SPECTRUM OF BREAK SIZES (FULL SPECTRUM LOCA METHODOLOGY," TAC NO. ME5244

Reference: Westinghouse Letter LTR-NRC-10-73, "Submittal of WCAP-16996-P Volumes I, II, and III, Revision 0 and WCAP-16996-NP, Volumes I, II, and III, Revision 0, 'Realistic LOCA Evaluation Methodology Applied to the Full Spectrum of Break Sizes (FULL SPECTRUM LOCA Methodology),' (Proprietary/Non-Proprietary) for Review and Approval," dated November 23, 2010, ADAMS Accession No. ML103610186

Westinghouse submitted WCAP-16996-P Volumes I, II, III, Revision 0, "Realistic LOCA Evaluation Methodology Applied to Full Spectrum of Break Sizes," to the Nuclear Regulatory Commission (NRC) [see reference] for review and approval. South Carolina Gas & Electric (SCE&G) is planning to implement the Westinghouse realistic Loss of Coolant Accident (LOCA) evaluation methodology as applied to the full spectrum of break sizes (FULL SPECTRUM™ LOCA methodology) at VCSNS for Unit 1. This methodology addresses the effects of fuel Thermal Conductivity Degradation (TCD) and will be the vehicle to address the 10 CFR 50.46c rulemaking, upon rule finalization.

This methodology will be utilized because of the improvements to the WCOBRA/TRAC-TF2 code, best estimate LOCA analysis methodology, the extension of best estimate LOCA analysis methodology to the full spectrum of break sizes, the inclusion of the effects of TCD, and the ability to address the 10 CFR 50.46c rule.

A002
NRR

SCE&G requests that the NRC consider the planned SCE&G implementation of this methodology in the NRC review prioritization of this topical report. This will provide SCE&G with an NRC approved methodology for use in the 2015 timeframe, to support LOCA reanalysis associated with the impact of TCD on the peak clad temperature and the impact of 10 CFR 50.46c on oxidation.

If you have any questions or require additional information, please contact Mr. Bruce L. Thompson at (803) 931-5042.

Very truly yours,

Dan Gatlin

Thomas D. Gatlin

TS/TDG/wm

c: K. B. Marsh
S. A. Byrne
J. B. Archie
N. S. Carns
J. H. Hamilton
J. W. Williams
W. M. Cherry
V. M. McGee
E. A. Brown
NRC Resident Inspector
K. L. Sutton
NSRC
RTS (LTD 321, RR 8375)
File (818.02-17)
PSRF (RC-13-0083)