



Alfred M. Paglia, Jr.
Manager
Nuclear Licensing
New Nuclear Deployment

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

ATTN: Document Control Desk

Subject: Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3
Docket Numbers 52-027 and 52-028
10 CFR 50.46 Thirty (30) Day Report

- References:
1. Letter and enclosures from Westinghouse Electric Company to Document Control Desk (NRC), "10 CFR 50.46 Thirty (30) Day Report for the AP1000 Standard Plant Design", dated June 30, 2010.
 2. Letter from Ronald B. Clary (SCE&G) to Document Control Desk (NRC), "January 28, 2010 Submittal the Combined License Application for V. C. Summer Nuclear Station Units 2 and 3," dated January 28, 2010.

Pursuant to 10 CFR 50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors," Westinghouse Electric Company (WEC) submitted a report (letter number DCP/NRC2943 dated June 30, 2010) to document an emergency core cooling system (ECCS) evaluation model error that affects the temperature calculation for the AP1000 Standard Plant Design. A 30 day report is required if the peak clad temperature (PCT) error assessed is greater than 50°F. The WEC letter transmitted 10 CFR 50.46 reporting information for errors discovered in the AP1000 Design Control Document (DCD) small-break loss of coolant accident (LOCA) analysis-of-record (AOR) for the Loss of Coolant Accident (LOCA) 10-inch Transient Adiabatic Heat-up Calculation. Details of the error and WEC actions to correct the error were provided in the above referenced WEC letter (Reference 1).

The VCSNS Units 2 and 3 COL application (Reference 2) incorporates by reference the AP1000 DCD and thus, also utilizes the peak cladding temperature calculations performed by WEC. As such, the updated analysis provided by WEC is also applicable to the VCSNS Units 2 and 3 COL application.

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Please address any questions to Mr. Alfred M. Paglia, Manager, Nuclear Licensing, New Nuclear Deployment, P.O. Box 88, Jenkinsville, S.C. 29065; by telephone at 803-345-4191; or by email at apaglia@scana.com.

Very truly yours,



Alfred M. Paglia
Manager, Nuclear Licensing,
New Nuclear Deployment

JMG/AMP/jg

c: Luis A. Reyes
Joseph M. Sebrosky
John Zeiler
Stephen A. Byrne
Jeffrey B. Archie
Ronald B. Clary
Bill McCall
William M. Cherry
Randolph R. Mahan
Alvis J. Bynum
Kathryn M. Sutton
Daniel Patton
John J. DeBlasio
Joel Hjelseth
Frederick P. Hughes
William E. Hutchins
William A. Fox, III
Grayson Young
VCSummer2&3ProjectMail@Shawgrp.com
vcsummer2&3project@westinghouse.com
DCRM-EDMS@SCANA.COM