



June 14, 2011
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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 Annual Report

- References:
1. Letter and enclosures from Westinghouse Electric Company to Document Control Desk (NRC), "10 CFR 50.46 Annual Report for the AP1000[®] Standard Plant Design," dated March 15, 2011 (DCP_NRC_003144).
 2. Letter and enclosure from Westinghouse Electric Company to Document Control Desk (NRC), "10 CFR 50.46 Annual Report for the AP1000 Standard Plant Design," dated March 18, 2010 (DCP_NRC_002824).
 3. 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 (DCP_NRC_2943).
 4. Letter from Ronald B. Clary (SCE&G) to Document Control Desk (NRC), "February 7, 2011 Submittal the Combined License Application for V. C. Summer Nuclear Station Units 2 and 3," dated February 7, 2011.

Pursuant to 10 CFR 50.46, Westinghouse Electric Company, LLC (WEC) submitted to the NRC their annual report to document any emergency core cooling system (ECCS) evaluation model changes or errors that affect the temperature calculation for the AP1000[®] standard plant design. As stated in Reference 1, there are no additional Best Estimate LOCA (BELOCA) model changes that affect the temperature calculation related to the items reported in Reference 2.

In Reference 1, WEC also summarizes a previous June 2010 report (Reference 3) which reported an error that affected the Small Break LOCA (SBLOCA) analysis where incorrect inputs were found to have been utilized in the

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calculation for the adiabatic rod heat-up during the 10-inch break analysis of the AP1000®.

The VCSNS Units 2 and 3 COL application (Reference 4) incorporates by reference the AP1000® DCD and thus, also utilizes the peak cladding temperature calculations performed by WEC. As such, the annual report provided by WEC is also applicable to the VCSNS Units 2 and 3 COL application.

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,



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