



July 8, 2010
NND-10-0265

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

ATTN: Document Control Desk

Subject: Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028
SCE&G Supplemental Response to Endorsement of Bellefonte Standard Content Request for Additional Information 12.03-12.04-01

- References:
1. Tennessee Valley Authority (TVA) supplemental response to the Nuclear Regulatory Commission's (NRC) Request for Additional Information (RAI) Letter No. 109, dated December 16, 2008 (ML083530554).
 2. Letter from Ronald B. Clary (SCE&G) to Document Control Desk (NRC), Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information, dated May 12, 2009 (ML091380164).

In Reference 2 above, SCE&G endorsed TVA standard content RAI response 12.03-12.04-01 provided in Reference 1. Based on subsequent discussions with NRC staff, site specific revisions to FSAR Subsections 11.2.1.2.4 and 11.2.6 are being provided in the two attachments to this submittal. Changes are noted with green underlined text for insertions, and red strike through text for deletions. This submittal is intended to supersede the previously endorsed TVA RAI response to RAI 12.03-12.04-01. The attached COLA changes will be incorporated in a future revision of the VCSNS Units 2 and 3 COLA.

Should you have any questions, please contact Mr. Alfred M. Paglia by telephone at (803) 345-4191, or by email at apaglia@scana.com.

DD83
NRD

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 8th day of July, 2010.

Sincerely,



Ronald B. Clary
Vice President
New Nuclear Deployment

TWS/RBC/jf

c: Luis A. Reyes
Joseph M. Sebrosky
Donald Habib
John Zieler
Stephen A. Byrne
Jeffrey B. Archie
Ronald B. Clary
Bill McCall
William M. Cherry
Randolph R. Mahan
Kathryn M. Sutton
Amy M. Monroe
Dan Patton
Joel Hjelseth
Frederick P. Hughes
William E. Hutchins
William A. Fox, III
Grayson Young
Kim Slays
VCsummer2&3ProjectMail@Shawgrp.com
vcsummer2&3project@westinghouse.com
DCRM-EDMS@SCANA.COM

Attachment I

VCSNS FSAR Subsection 11.2.1.2.4

(1 Total Page)

**V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR**

11.2 LIQUID WASTE MANAGEMENT SYSTEMS

This section of the referenced DCD is incorporated by reference with the following departures and/or supplements.

11.2.1.2.4 Controlled Release of Radioactivity

Add the following new paragraph at the end of DCD Subsection 11.2.1.2.4:

VCS SUP 11.2-1 The Liquid Radwaste System (WLS) discharge piping from the Units 2 and 3 Radwaste Building is stainless steel, enclosed within a guard pipe, and monitored for leakage to comply with 10CFR 20.1406. The WLS discharge piping connects to the Waste Water System (WWS) blowdown line within the Exclusion Area Boundary for dilution to meet the release limits of 10 CFR Part 20 Appendix B, Table II, Column 2. Dilution at this point, downstream of the WWS Blowdown Sump, is primarily supplied from circulating water blowdown flow.

The WWS blowdown line to the Plant Outfall at Parr Reservoir is a buried, high density polyethylene single-walled pipe. Waste water gravity drains from the Blowdown Sump to the diffuser at the Plant Outfall. There are no valves, vacuum breakers, or pumps along the WWS blowdown line between the point where WLS connects and the Plant Outfall. Monitoring for leakage of the WWS blowdown line will be evaluated and implemented if necessary as part of the Units 2 and 3 Groundwater Monitoring Program described in NEI 08-08A (Reference 203).

11.2.1.2.5.2 Use of Mobile and Temporary Equipment

Add the following information at the end of DCD Subsection 11.2.1.2.5.2:

STD COL 11.2-1 When mobile or temporary equipment is selected to process liquid effluents, the equipment design and testing meets the applicable requirements of Regulatory Guide 1.143. When confirmed through sampling that the radioactive waste contents do not exceed the A2 quantities for radionuclides specified in Appendix A to 10 CFR Part 71, the liquid effluent may be processed with mobile or temporary equipment in the Radwaste Building. When the A2 quantities are exceeded, liquid effluent is processed in the Seismic Category I auxiliary building.

Attachment II

VCSNS FSAR Subsection 11.2.6

(1 Total Page)

**V. C. Summer Nuclear Station, Units 2 and 3
COL Application
Part 2, FSAR**

STD COL 11.2-1 This COL Item is addressed in Subsection 11.2.1.2.5.2.

11.2.5.2 Cost Benefit Analysis of Population Doses

STD COL 11.2-2 This COL Item is addressed in Subsection 11.2.3.5.3.

VCS COL 11.2-2 This COL Item is addressed in Subsections 11.2.3.3, 11.2.3.5, 11.2.3.5.1, 11.2.3.5.2, and 11.2.3.5.4.

11.2.6 REFERENCES

201. Deleted.

202. Annual Effluent and Waste Disposal Report, Virgil C. Summer Nuclear Station, for the Operating Period January 1, 2005 – December 31, 2005; April 2006.

203. NEI 08-08A, Generic FSAR Template Guidance for Life Cycle Minimization of Contamination, Revision 0, October 2009 (ML093220445).