

## PMSummerColpEM Resource

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**Sent:** Wednesday, June 30, 2010 9:39 AM  
**To:** Habib, Donald; Sebrosky, Joseph; Wentzel, Michael  
**Cc:** FENDER, JAMES E JR; MONROE, AMY; RICE, APRIL R  
**Subject:** FW: Final 11.2 Draft  
**Attachments:** Chapter 11 Supplement.docx

Don,  
Based on the discussions that have occurred over the past several days dealing with clarification of wording in Chapter 11, we felt it appropriate to send you a draft of the SCE&G proposed response on this issue. If additional discussions are necessary or appropriate, please contact myself or James Fender (803-931-5224). If the proposed wording meets your needs we will transmit the submittal officially.

Thank you!  
Amy M. Monroe

**Hearing Identifier:** VCSummer\_COL\_Public  
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**From:** MONROE, AMY

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June 29, 2010  
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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

- 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](mailto:apaglia@scana.com).

**DRAFT**

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

Executed on this \_\_\_\_ day of \_\_\_\_\_, 2010.

Sincerely,

Ronald B. Clary  
Vice President  
New Nuclear Deployment

JEF/RBC/jf

c: Luis A. Reyes  
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**DRAFT**

Attachment I

VCSNS FSAR Subsection 11.2.1.2.4

(1 Total Page)

**DRAFT**

**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

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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 high density polyethylene single-walled pipe. 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).

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11.2.1.2.5.2 Use of Mobile and Temporary Equipment

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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.

Mobile and temporary equipment are designed in accordance with the applicable mobile and temporary radwaste treatment systems guidance provided in

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Attachment II

VCSNS FSAR Subsection 11.2.6

(1 Total Page)

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**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](#).

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11.2.5.2 Cost Benefit Analysis of Population Doses

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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](#).

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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 \(ML093220445\).](#)