

PMSummerColpEM Resource

From: Ravindra Joshi
Sent: Wednesday, January 07, 2009 9:51 AM
To: Amy M. Monroe; April R. Rice; Jerry P. Harrison; Julie M. Giles
Cc: SummerCOL Resource; Steven Schaffer; Timothy Frye
Subject: Draft RAIs 1773, 1774 and 1777 related to SRP section 11.2 for Summer Units 2 and 3
Attachments: RAI 1773.doc; RAI 1774.doc; RAI 1777.doc

To All,

Attached are draft RAIs(1773, 1774, 1777) related to SRP Section 11.2 for Summer Units 2 and 3. If you would like to schedule a conference call to discuss these RAIs, please let me know before 5:00 PM on January 12, 2008. If no request for a conference call is received, these RAIs will be issued as Final.

Thanks,

Ravindra G. Joshi
Project Manager
AP1000 Project
NRO/DNRL/NWE1
US NRC
301-415-6191.

Hearing Identifier: VCSummer_COL_Public
Email Number: 107

Mail Envelope Properties (CEE97CC21430049B821E684512F6E5EB654790A7C)

Subject: Draft RAIs 1773, 1774 and 1777 related to SRP section 11.2 for Summer Units 2 and 3
Sent Date: 1/7/2009 9:50:53 AM
Received Date: 1/7/2009 9:50:54 AM
From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

"SummerCOL Resource" <SummerCOL.Resource@nrc.gov>

Tracking Status: None

"Steven Schaffer" <Steven.Schaffer@nrc.gov>

Tracking Status: None

"Timothy Frye" <Timothy.Frye@nrc.gov>

Tracking Status: None

"Amy M. Monroe" <amonroe@scana.com>

Tracking Status: None

"April R. Rice" <arice@scana.com>

Tracking Status: None

"Jerry P. Harrison" <jharrison2@scana.com>

Tracking Status: None

"Julie M. Giles" <jmgiles@scana.com>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	462	1/7/2009 9:50:54 AM
RAI 1773.doc	28154	
RAI 1774.doc	27642	
RAI 1777.doc	27642	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information No. 1773

Virgil C. Summer Nuclear Station, Units 2 and 3
South Carolina Electric and Gas Company
Docket No. 52-027 and 52-028
SRP Section: 11.02 - Liquid Waste Management System
Application Section: FSAR Section 11.2

QUESTIONS for Health Physics Branch (CHPB)

11.02-***

FSAR Sections 11.2.3.5.2 and 11.2.5.2 (including VCS COL Item 11.2-2) reference draft NEI Template 07-11 as the basis of the cost-benefit analysis for justifying, in part, the design of the Liquid Waste Management System (LWMS). The NEI template proposed a bounding envelope of population doses associated with liquid effluent releases, which, if met, would demonstrate compliance with ALARA cost-benefit requirements of Section II.D of Appendix I to Part 50. However, NEI Template 07-11 was withdrawn from further consideration by NEI. Accordingly, please explain how the applicant intends to develop a plant and site-specific cost-benefit analysis demonstrating compliance with Section II.D of Appendix I to Part 50 with respect to the LWMS, and provide sufficient information for the staff to evaluate the bases and assumptions used in the analysis against the applicable NRC regulations and guidance.

Request for Additional Information No. 1774

Virgil C. Summer Nuclear Station, Units 2 and 3
South Carolina Electric and Gas Company
Docket No. 52-027 and 52-028
SRP Section: 11.02 - Liquid Waste Management System
Application Section: FSAR Section 11.2

QUESTIONS for Health Physics Branch (CHPB)

11.02-***

Please explain how the application demonstrates that the site can meet the general environmental radiation standard in 40 CFR Part 190 (per 10 CFR 20.1301(e)), and provide sufficient information for the staff to evaluate the bases and assumptions used in the applicant's analysis. Please incorporate this analysis into the FSAR or justify its exclusion.

Request for Additional Information No. 1777

Virgil C. Summer Nuclear Station, Units 2 and 3
South Carolina Electric and Gas Company
Docket No. 52-027 and 52-028
SRP Section: 11.02 - Liquid Waste Management System
Application Section: FSAR Section 11.2

QUESTIONS for Health Physics Branch (CHPB)

11.02-***

Please provide detailed information to enable the staff to validate and verify the estimated doses in FSAR section 11.2.3.5 with respect to the dose objectives of Appendix I to 10 CFR Part 50 and the dose limits in 10 CFR 20.1301(e); please revise the FSAR to include this information, or justify its exclusion. The information should include the following:

- a complete description of how the applicant derived all the values listed in Tables 11.2-201 and 11.2-202, including all assumptions made
- citations to any reference material used (for documents not publicly available please provide a copy for staff's use)
- detailed breakdown of individual doses by pathway and organ
- detailed breakdown of population doses by pathway and organ