PMSTPCOL NPEmails

From: Eudy, Michael
Sent: Monday, December 28, 2009 11:52 AM
To: scstephens@stpegs.com
Cc: STPCOL; Eudy, Michael
Subject: RAI status for 4137 and 4138 ?
Attachments: RAI 4137.doc; RAI 4138.doc

Importance: High

Scot,

I issued these to you a couple of weeks ago, can you please clarify that you are ready to receive. Thanks.

Hearing Identifier: SouthTexas34NonPublic_EX
Email Number: 2859

Mail Envelope Properties (9E28710E0B702149AEC66397286364401AA8A6E187)

Subject: RAI status for 4137 and 4138 ?
Sent Date: 12/28/2009 11:51:59 AM
Received Date: 12/28/2009 11:52:00 AM
From: Eudy, Michael

Created By: Michael.Eudy@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Eudy, Michael" <Michael.Eudy@nrc.gov>
Tracking Status: None
"scstephens@stpegs.com" <scstephens@stpegs.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	128	12/28/2009 11:52:00 AM
RAI 4137.doc	31226	
RAI 4138.doc	31226	

Options
Priority: High
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information No. 4137 Revision 3

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 12.02 - Radiation Sources
Application Section: 10 CFR 20.1302; 10 CFR 20, Appendix B, Table 2, Column 2; 10 CFR 50, Appendix I; 10 CFR 50.34a; 10 CFR 50, Appendix A, GDC 60; SRP 11.2

QUESTIONS for Health Physics Branch (CHPB)

12.02-***

This RAI is related to the applicant's response to RAI 11.02-3. COL Tier 2 (Rev 3), Section 12.2, Table 12.2-22 presents calculated Average Annual Liquid Releases (MBq/yr) from some input design parameters and values in Tables 11.2-2 through Table 11.2-6 used in the BWR-GALE computer code. The resulting calculated annual liquid radionuclide releases are compared to 10 CFR 20 Appendix B liquid effluent concentration limits in Tables 12.2-22. Staff review indicates that a total departure was taken for the LWMS in STD DEP 11.2-1. The new design did not provide information to independently confirm the calculated annual liquid radionuclide releases for compliance with 10 CFR 20.1302; 10 CFR 20, Appendix B, Table 2, Column 2; 10 CFR 50, Appendix I; 10 CFR 50.34a; and 10 CFR 50, Appendix A, GDC 60.

The staff requests that the applicant address the following items and revise the COL to include this information:

1. Provide the basis for all values and assumptions used in the revised BWR-GALE code calculation of average annual liquid releases in Table 12.2-22. Include value derivations and references (e.g., pointer to applicable FSAR section, NUREG-0016, etc.).

2. Provide the BWR-GALE code input/output files used to calculate the average annual liquid radionuclide releases.

Request for Additional Information No. 4138 Revision 3

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 12.02 - Radiation Sources
Application Section: 10 CFR 20.1302; 10 CFR 20, Appendix B, Table 2, Column 1; 10 CFR 50, Appendix I; 10 CFR 50.34a; 10 CFR 50, Appendix A, GDC 60; SRP 11.3

QUESTIONS for Health Physics Branch (CHPB)

12.02-***

This RAI is related to the applicant's response to RAI 11.02-3. COL Tier 2 (Rev 3), Section 12.2, Table 12.2-20 presents calculated Average Annual Gaseous Releases (MBq/yr) from some input design parameters and values in Sections 11.2 and 11.3, Table 11.3-2 through Table 11.3-4 used in the BWR-GALE computer code. The resulting calculated annual gaseous radionuclide releases are compared to 10 CFR 20 Appendix B gaseous effluent concentration limits in Table 12.2-20. Staff review indicates that a partial departure was taken for the GWMS in STD DEP 11.3-1. The new design did not provide information to independently confirm the calculated annual airborne radionuclide releases for compliance with 10 CFR 20.1302; 10 CFR 20, Appendix B, Table 2, Column 1; 10 CFR 50, Appendix I; 10 CFR 50.34a; and 10 CFR 50, Appendix A, GDC 60.

The staff requests that the applicant address the following items and revise the COL to include this information:

1. Provide the basis for all values and assumptions used in the revised BWR-GALE code calculation of annual gaseous radioactive effluent releases. Include value derivations and references (e.g., pointer to applicable FSAR section, RG 1.109 table, etc.).

2. Provide the BWR-GALE code input/output files used to calculate the annual airborne radionuclide releases in Table 12.2-20.