

PSEGESPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Friday, January 06, 2012 12:05 PM
To: 'PSEGRAIResponses@pseg.com'
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Subject: PSEG Site ESPA FINAL RAI 46 (eRAI 6219) SRP-11.03 (CHPB)
Attachments: PSEG Site ESPA Final RAI 46 (eRAI 6219).pdf

Please find attached RAI 46 for the PSEG Site ESP Application. A draft of the RAI was provided to you on December 12, 2011. At your request, a clarification discussion on this RAI was held on January 6, 2012. The clarification discussion included a reference to NRC's letter to the Nuclear Energy Institute (NEI), dated February 5, 2003 (ADAMS Accession No. ML030230071), on the subject of "RESOLUTION OF EARLY SITE PERMIT TOPIC 6 (ESP-6), USE OF PLANT PARAMETER ENVELOPE (PPE) APPROACH," with specific reference to observation/clarification 6 in this letter. As a result of the clarification, the phrase "a justification" was replaced with "clarification" in the last sentence of Question 11.03-8, Part 1. No other changes were necessary, and therefore, we are issuing this RAI as final.

The schedule we have established for review of your application assumes technically correct and complete responses within 30 calendar days of receipt of RAIs. For any RAIs that cannot be responded to within 30 calendar days, it is expected that a date for receipt of this information will be provided to the staff within the 30-calendar day period so that the staff can assess how this information will impact the published schedule.

If you have any questions, please contact me.

Prosanta Chowdhury
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EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors
301-415-1647

Hearing Identifier: PSEG_Site_EarlySitePermit_RAI
Email Number: 94

Mail Envelope Properties (320204600EA7B9408FE833FF15E4FF7D7F5B4D27A7)

Subject: PSEG Site ESPA FINAL RAI 46 (eRAI 6219) SRP-11.03 (CHPB)
Sent Date: 1/6/2012 12:05:17 PM
Received Date: 1/6/2012 12:06:41 PM
From: Chowdhury, Prosanta

Created By: Prosanta.Chowdhury@nrc.gov

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Files	Size	Date & Time
MESSAGE	1435	1/6/2012 12:06:41 PM
PSEG Site ESPA Final RAI 46 (eRAI 6219).pdf	34835	

Options

Priority: Standard

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Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information No. 46

Application Revision 0

FINAL

1/06/2012

PSEG Site ESP
PSEG Power LLC, PSEG Nuclear LLC
Docket No. 52-043
SRP Section: 11.03 - Gaseous Waste Management System
Application Section: 11.3

QUESTIONS for Health Physics Branch (CHPB)

11.03-8

In the response to RAI 18 (eRAI 5466), Question 11.03-3, PSEG applied liquid and gaseous effluent source terms based on the Bell Bend Nuclear Power Plant's (BBNPP) Combined License Application (COLA), Final Safety Analysis Report (FSAR), Rev. 2, Section 11.3. A review of the BBNPP COLA FSAR effluent source terms indicates that the source terms are different than those described in the U.S. EPR Design Certification (DC) Application, Rev. 3. It should be noted that the BBNPP COLA has sought a departure from the U.S. EPR DC source terms, and that the BBNPP COLA application is not the reference COLA for this reactor design. In addition, the applicant should be aware that the staff has issued specific RAIs on BBNPP's approach and justification in developing liquid and gaseous alternate source terms. As a result, the applicant is requested to:

1. Confirm whether the applicant intends to apply the effluent source terms proposed in the BBNPP COLA application as opposed to using those of the U.S. EPR DC Application, Rev. 3. If not, the applicant should revise the ESP effluent and dose analyses using the source terms from the U.S. EPR Design Certification, Rev. 3, Sections 11.2 and 11.3. If the applicant intends to apply the effluent source terms from the BBNPP COLA application, provide clarification for using these source terms.
2. Review and verify the other source terms being utilized in the ESP application and document what revisions are currently being used for each of the designs.