

## **PSEGESPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Monday, December 12, 2011 1:56 PM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Clark, Phyllis; McLellan, Judith; Gran, Zachary; Williams, Stephen; Schaaf, Robert  
**Subject:** PSEG Site ESPA DRAFT RAI 46 (eRAI 6219) SRP-11.03 (CHPB)  
**Attachments:** PSEG Site ESPA Draft RAI 46 (eRAI 6219).doc

Please find attached DRAFT RAI No. 46 for the PSEG Site ESP application. You have ten working days to review this request and to decide whether you need a conference call to discuss it. Please notify me of your decision in this regard.

After the call, or after ten days, the RAI will be finalized and issued to you. You will then have 30 calendar days to respond. These durations are factored into your review schedule. If additional time is required to respond, please inform me of your proposed schedule to respond at your earliest opportunity.

If you have any questions, please contact me.

Prosanta Chowdhury  
Project Manager  
Licensing Branch 1 (LB1)  
Division of New Reactor Licensing  
Office of New Reactors  
301-415-1647

**Hearing Identifier:** PSEG\_Site\_EarlySitePermit\_RAI  
**Email Number:** 91

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**Subject:** PSEG Site ESPA DRAFT RAI 46 (eRAI 6219) SRP-11.03 (CHPB)  
**Sent Date:** 12/12/2011 1:55:51 PM  
**Received Date:** 12/12/2011 1:55:52 PM  
**From:** Chowdhury, Prosanta

**Created By:** Prosanta.Chowdhury@nrc.gov

**Recipients:**

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**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	764	12/12/2011 1:55:52 PM
PSEG Site ESPA Draft RAI 46 (eRAI 6219).doc		31226

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 46

Application Revision 0

DRAFT

12/12/2011

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 a justification 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.