

## **PSEGSPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Wednesday, August 24, 2011 4:23 PM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGSPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Colaccino, Joseph; Silvia, Andrea; Clark, Phyllis; McLellan, Judith; Caverly, Jill; Giacinto, Joseph; Raione, Richard  
**Subject:** PSEG Site ESPA FINAL RAI 38 (eRAI 5973) SRP-02.04.12 (RHEB)  
**Attachments:** PSEG Site ESPA Final RAI 38 (eRAI 5973).pdf

Please find attached RAI 38 for the PSEG Site ESP Application. A draft of the RAI was provided to you on August 15, 2011. You informed via email on August 23, 2011, that you would not need a clarification call involving this specific RAI, and therefore, we are issuing this RAI as final with no changes made to it.

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  
Project Manager  
EPR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors  
301-415-1647

**Hearing Identifier:** PSEG\_Site\_EarlySitePermit\_RAI  
**Email Number:** 77

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D7B3B2B79F0)

**Subject:** PSEG Site ESPA FINAL RAI 38 (eRAI 5973) SRP-02.04.12 (RHEB)  
**Sent Date:** 8/24/2011 4:23:16 PM  
**Received Date:** 8/24/2011 4:23:18 PM  
**From:** Chowdhury, Prosanta

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

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Files	Size	Date & Time
MESSAGE	966	8/24/2011 4:23:18 PM
PSEG Site ESPA Final RAI 38 (eRAI 5973).pdf		38177

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

Request for Additional Information No. 38

Application Revision 0

FINAL

8/24/2011

PSEG Site ESP  
PSEG Power LLC, PSEG Nuclear LLC  
Docket No. 52-043  
SRP Section: 02.04.12 - Groundwater  
Application Section: 02.4.12

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.12-6

**Follow up to RAI 29 (eRAI 5714):** The applicant responded to RAI 29, Questions 02.04.12-1 through 02.04.12-5, in PSEG Letter ND-2011-0043 dated June 14, 2011. The staff reviewed the responses which included proposed revisions to the applicable SSAR Sections, and held a clarification conference call with the applicant on August 3, 2011, to specifically discuss applicant responses to staff Questions 02.04.12-2, 02.04.12-4, and 02.04.12-5. As a result of the staff's review and clarification call discussions, the staff requests that the applicant:

- 1) Clarify by reference the term "model" when used in the SSAR text. Throughout SSAR Section 2.4.12 text, it is unclear which of the various models are being referred to in the discussion.
- 2) Insert the same or a similar level of detail in the proposed SSAR revisions as contained in the RAI 29 response discussions. The proposed SSAR revisions do not adequately and appropriately reflect the responses to RAI 29, Questions 02.04.12 -2, -4, and -5.
- 3) Add a discussion to SSAR Subsection 2.4.12.1.3.3 providing justification for using average groundwater levels for model calibration. Include in the discussion the influence, if any, of tidal and unusual precipitation events on the average water levels over the period of record.
- 4) Ensure that proper references in the SSAR text are made to Tables 2.4.12-12 and 2.4.12-13 and any other tables to be included or added to SSAR Section 2.4.12.
- 5) Include the site boundary on the map in Figure 2.4.12-30, and specify the period of record used to create the two sets of water level contours in the legend.
- 6) Clarify whether Table 2.4.12-14 lists total porosity or effective porosity.

As an alternative to the above requests, the staff requests that the applicant provide additional justification for the adequacy of the SSAR revisions proposed in response to RAI 29 as provided in PSEG Letter ND-2011-0043.