

## **PSEGSPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Monday, August 15, 2011 1:44 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 DRAFT RAI 38 (eRAI 5973) SRP-02.04.12 (RHEB)  
**Attachments:** PSEG Site ESPA Draft RAI 38 (eRAI 5973).doc

Please find attached DRAFT RAI No. 38 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  
EPR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors  
301-415-1647

**Hearing Identifier:** PSEG\_Site\_EarlySitePermit\_RAI  
**Email Number:** 74

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**Subject:** PSEG Site ESPA DRAFT RAI 38 (eRAI 5973) SRP-02.04.12 (RHEB)  
**Sent Date:** 8/15/2011 1:43:51 PM  
**Received Date:** 8/15/2011 1:43:53 PM  
**From:** Chowdhury, Prosanta

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

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Request for Additional Information No. 38

Application Revision 0

DRAFT

8/15/2011

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.