

## **PSEGSPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Friday, April 29, 2011 11:42 AM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGSPeRAIPEm Resource; 'David.Lewis2@pseg.com'; '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 27 (eRAI 5712) SRP-02.04.11 (RHEB)  
**Attachments:** PSEG Site ESPA Draft RAI 27 (eRAI 5712).doc

Please find attached DRAFT RAI No. 27 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:** 50

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D57C08A7AE1)

**Subject:** PSEG Site ESPA DRAFT RAI 27 (eRAI 5712) SRP-02.04.11 (RHEB)  
**Sent Date:** 4/29/2011 11:41:44 AM  
**Received Date:** 4/29/2011 11:41:44 AM  
**From:** Chowdhury, Prosanta

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

**Recipients:**

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

Files	Size	Date & Time
MESSAGE	769	4/29/2011 11:41:44 AM
PSEG Site ESPA Draft RAI 27 (eRAI 5712).doc		30714

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 27

Application Revision 0

DRAFT

4/29/2011

PSEG Site ESP  
PSEG Power LLC, PSEG Nuclear LLC  
Docket No. 52-043  
SRP Section: 02.04.11 - Low Water Considerations  
Application Section: 2.4.11

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.11-1

NUREG-0800, Standard Review Plan (SRP), Section 2.4.11, 'Low Water Considerations,' establishes guidance that NRC staff use to evaluate whether an application meets the requirements in 10 CFR 100.20(c) and 52.79(a)(1)(iii).

In the PSEG ESP application SSAR section 2.4.11.1, the applicant employs ANS 2.8 as rationale for using 90 % exceedance low-tide for the 22-year record at Reedy Point for low water conditions analyses. ANS 2.8 is not routinely used for analysis of low water conditions.

The staff requests that a detailed explanation of the rationale for using ANS 2.8 be provided and include a discussion of the relevance of using 'reverse' ANS 2.8 analysis of low water. This discussion should include alternative analyses considered and the conceptual model that was used to justify this analysis.