

## **PSEGESPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Friday, February 10, 2012 11:28 AM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Roach, Kevin; Clark, Phyllis; Canova, Michael; McLellan, Judith; Jones, Henry; Hatchett, Gregory  
**Subject:** PSEG Site ESPA DRAFT RAI 57 (eRAI 6319) SRP-02.04.05 (RHEB)  
**Attachments:** PSEG Site ESPA Draft RAI 57 (eRAI 6319).doc

Please find attached DRAFT RAI No. 57 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:** 108

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D7F5D91E90D)

**Subject:** PSEG Site ESPA DRAFT RAI 57 (eRAI 6319) SRP-02.04.05 (RHEB)  
**Sent Date:** 2/10/2012 11:27:54 AM  
**Received Date:** 2/10/2012 11:27:55 AM  
**From:** Chowdhury, Prosanta

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

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Tracking Status: None

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Tracking Status: None

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Tracking Status: None

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

Files	Size	Date & Time
MESSAGE	764	2/10/2012 11:27:55 AM
PSEG Site ESPA Draft RAI 57 (eRAI 6319).doc	30714	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 57

Application Revision 0

DRAFT

2/10/2012

PSEG Site ESP

PSEG Power LLC, PSEG Nuclear LLC

Docket No. 52-043

SRP Section: 02.04.05 - Probable Maximum Surge and Seiche Flooding

Application Section: 2.4.5

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.05-12

To meet the requirements of 10 CFR 52.17, the applicant may evaluate the storm surge induced by the PMH at the site as recommended by Regulatory Guide 1.59 and supplemented by current best practices. NUREG-0800, Standard Review Plan (SRP), Chapter 2.4.5, "Probable Maximum Surge and Seiche Flooding," establishes criteria that the NRC staff apply to evaluate whether the applicant meets the NRC regulations. SSAR Subsections 2.4.5.2.1 and 2.4.5.2.2 of the PSEG Site ESP application discuss application of the HEC-RAS model to propagate the storm surge at the mouth of Delaware Bay (developed by the Bodine model) to the project site approximately 80 km (50 mi) inland. To meet the requirements of 10 CFR 52.17 and evaluate the methods applied, the NRC staff requests that PSEG provide the HEC-RAS model input files, model control files, calibration procedure, model version, and HEC-RAS modeling report.