

## **PSEGESPeRAIPEm Resource**

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**From:** Chowdhury, Prosanta  
**Sent:** Friday, February 03, 2012 2:56 PM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Roach, Kevin; Clark, Phyllis; McLellan, Judith; Tammara, Seshagiri; Schaaf, Robert  
**Subject:** PSEG Site ESPA DRAFT RAI 54 (eRAI 6287) SRP-02.02.03 (RPAC-RSAC)  
**Attachments:** PSEG Site ESPA Draft RAI 54 (eRAI 6287).doc

Please find attached DRAFT RAI No. 54 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:** 103

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D7F5D91E8DF)

**Subject:** PSEG Site ESPA DRAFT RAI 54 (eRAI 6287) SRP-02.02.03 (RPAC-RSAC)  
**Sent Date:** 2/3/2012 2:56:24 PM  
**Received Date:** 2/3/2012 2:56:28 PM  
**From:** Chowdhury, Prosanta

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

**Recipients:**

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Tracking Status: None

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Tracking Status: None

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Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	769	2/3/2012 2:56:28 PM
PSEG Site ESPA Draft RAI 54 (eRAI 6287).doc		30714

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 54

Application Revision 0

DRAFT

2/3/2012

PSEG Site ESP  
PSEG Power LLC, PSEG Nuclear LLC  
Docket No. 52-043  
SRP Section: 02.02.03 - Evaluation of Potential Accidents  
Application Section: 2.2.3

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.02.03-3

RS-002 and RG 1.206 provide guidance regarding the information that is needed to ensure that the potential hazards in the site vicinity are identified and evaluated in order to meet the siting criteria in 10 CFR 100.20 and 10 CFR 100.21.

In SSAR Section 2.2.3.2.2, the applicant evaluated explosions due to solid explosives. The applicant states that "a probability analysis similar to the one presented in Subsection 2.2.3.2.1 is used to determine the number of allowable trips of solid explosive." The probability analysis referenced is based on liquid spill rates and sizes. Data pertaining to solid explosives is not presented. Please provide details regarding data used in the probabilistic analysis of solid explosive hazards, including quantities and shipment frequencies in determining the total number of trips of all solid explosive materials.