

## **PSEGSPeRAIPEm Resource**

---

**From:** Chowdhury, Prosanta  
**Sent:** Thursday, February 02, 2012 4:14 PM  
**To:** 'PSEGRAIResponses@pseg.com'  
**Cc:** PSEGSPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Clark, Phyllis; McLellan, Judith; Quinlan, Kevin; Hatchett, Gregory  
**Subject:** PSEG Site ESPA FINAL RAI 48 (eRAI 6226) SRP-02.03.01 (RHMB-RSAC)  
**Attachments:** PSEG Site ESPA Final RAI 48 (eRAI 6226).pdf

Please find attached RAI 48 for the PSEG Site ESP Application. A draft of the RAI was provided to you on January 18, 2012. You informed via email on February 1, 2012, 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  
Licensing Branch 1 (LB1)  
Division of New Reactor Licensing  
Office of New Reactors  
301-415-1647

**Hearing Identifier:** PSEG\_Site\_EarlySitePermit\_RAI  
**Email Number:** 99

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D7F5C6CF333)

**Subject:** PSEG Site ESPA FINAL RAI 48 (eRAI 6226) SRP-02.03.01 (RHMB-RSAC)  
**Sent Date:** 2/2/2012 4:13:37 PM  
**Received Date:** 2/2/2012 4:13:39 PM  
**From:** Chowdhury, Prosanta

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

**Recipients:**

"PSEGESPeRAIPEm Resource" <PSEGESPeRAIPEm.Resource@nrc.gov>

Tracking Status: None

"James.Mallon@pseg.com" <James.Mallon@pseg.com>

Tracking Status: None

"David.Robillard@pseg.com" <David.Robillard@pseg.com>

Tracking Status: None

"Segala, John" <John.Segala@nrc.gov>

Tracking Status: None

"Silvia, Andrea" <Andrea.Silvia@nrc.gov>

Tracking Status: None

"Clark, Phyllis" <Phyllis.Clark@nrc.gov>

Tracking Status: None

"McLellan, Judith" <Judith.McLellan@nrc.gov>

Tracking Status: None

"Quinlan, Kevin" <Kevin.Quinlan@nrc.gov>

Tracking Status: None

"Hatchett, Gregory" <Gregory.Hatchett@nrc.gov>

Tracking Status: None

"PSEGRAIResponses@pseg.com" <PSEGRAIResponses@pseg.com>

Tracking Status: None

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

Files	Size	Date & Time
MESSAGE	968	2/2/2012 4:13:39 PM
PSEG Site ESPA Final RAI 48 (eRAI 6226).pdf		10484

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Request for Additional Information No. 48

Application Revision 0

FINAL

2/2/2012

PSEG Site ESP  
PSEG Power LLC, PSEG Nuclear LLC  
Docket No. 52-043  
SRP Section: 02.03.01 - Regional Climatology  
Application Section: Regional Climatology

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.01-7

**[Follow up to RAI 14, Question 02.03.01-2]**

10 CFR 52.17(a)(1)(vi) states, in part, that ESP applicants must identify the meteorological characteristics of the proposed site with appropriate consideration of the most severe of the natural phenomena that have been historically reported for the site and surrounding area and with sufficient margin for the limited accuracy, quantity, and period of time in which the historical data have been accumulated.

In response to RAI 14, Question 02.03.01-2, PSEG committed to updating the SSAR to include a discussion in accordance with the Interim Staff Guidance (ISG) DC/COL-ISG-07, "Interim Staff Guidance on Assessment of Normal and Extreme Winter Precipitation Loads on the Roofs of Seismic Category I Structures" (ML081990438). The NRC staff has reviewed the response and has determined that PSEG's response and associated SSAR markups did not include the normal and extreme winter precipitation loads specified in the ISG.

Expand the list of site characteristics presented in SSAR Table 2.0-1 to include site characteristic values that correspond to the normal and extreme winter precipitation site parameter values contained in the design control documents (DCDs) for the reactor designs that are referenced in SSAR Section 1.2.2 (i.e., the U.S. EPR, ABWR, US-APWR, and AP1000 reactor designs). Normal and extreme winter precipitation loads should be determined in accordance with the guidance provided in the DC/COL-ISG-07.