

PSEGESPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Tuesday, August 02, 2011 2:15 PM
To: 'PSEGRAIResponses@pseg.com'
Cc: PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Colaccino, Joseph; Silvia, Andrea; Clark, Phyllis; McLellan, Judith; Quinlan, Kevin; Schaaf, Robert
Subject: PSEG Site ESPA DRAFT RAI 33 (eRAI 5843) SRP-02.03.01 (RSAC)
Attachments: PSEG Site ESPA Draft RAI 33 (eRAI 5843).doc

Please find attached DRAFT RAI No. 33 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
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From: Chowdhury, Prosanta

Created By: Prosanta.Chowdhury@nrc.gov

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PSEG Site ESPA Draft RAI 33 (eRAI 5843).doc		31226

Options

Priority: Standard

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Recipients Received:

Request for Additional Information No. 33

Application Revision 0

DRAFT

8/2/2011

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)

02.03.01-6

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. Temperatures based on a 100-year return period are considered to provide sufficient margin for the limited accuracy, quantity, and period of time in which the historical data have been accumulated as required by the regulation. The PSEG Site ESP ambient air temperature and humidity site characteristic values should include both historic extreme and 100-year return period values for comparison with the DCD 0% exceedance air temperature and humidity site parameter values at the COL stage.

In RAI 14, Question 02.03.01-4 (ML111040109), the staff requested that SSAR Table 2.0-1 be expanded to include site characteristic values that correspond to the ambient air temperature and humidity 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). In a May 13, 2011, response to this RAI (ML11136A236), SSAR Table 2.0-1 was updated to include additional site characteristic temperatures. However, the updated SSAR Table 2.0-1 did not include a 100-year return period mean coincident wet-bulb temperature.

Please update the SSAR to include a 100-year return period mean coincident wet-bulb temperature that corresponds with the 100-year return period dry bulb temperature, or provide justification as to why this is not necessary.