

PSEGSPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Friday, April 29, 2011 11:34 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 25 (eRAI 5710) SRP-02.04.01 (RHEB)
Attachments: PSEG Site ESPA Draft RAI 25 (eRAI 5710).doc

Please find attached DRAFT RAI No. 25 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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Subject: PSEG Site ESPA DRAFT RAI 25 (eRAI 5710) SRP-02.04.01 (RHEB)
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From: Chowdhury, Prosanta

Created By: Prosanta.Chowdhury@nrc.gov

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Options

Priority: Standard

Return Notification: No

Reply Requested: No

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Request for Additional Information No. 25

Application Revision 0

DRAFT

4/29/2011

PSEG Site ESP
PSEG Power LLC, PSEG Nuclear LLC
Docket No. 52-043
SRP Section: 02.04.01 - Hydrologic Description
Application Section: 2.4.1

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.01-1

NUREG-0800, Standard Review Plan (SRP), Chapter 2, Section 2.4.1, 'Hydrologic Description,' establishes guidance that the NRC staff use to evaluate whether an application meets the NRC's regulation in 10 CFR 100.20(c) and 10 CFR 52.79.

Staff has reviewed the PSEG SSAR Section 2.4.1. Much of the discussion in this section as well as throughout the other sub-sections of Chapter 2.4 is based on the results of HEC-HMS and HEC-RAS modeling. In order to verify the results of the modeling, staff requests that the applicant provide all HEC-HMS and HEC-RAS input and output files, including DSS files, DEM files, and any GIS files used to provide rationale for the input parameters used.

02.04.01-2

NUREG-0800, Standard Review Plan (SRP), Chapter 2, Section 2.4.1, 'Hydrologic Description,' establishes guidance that the NRC staff use to evaluate whether an application meets the NRC's regulations.

Staff has reviewed the PSEG SSAR and identified that throughout Chapter 2.4 sections, data are provided in text and tables using multiple datum and temporal information. Some tables show datum conversions without discussion of how the conversion was performed. The staff cannot be confident of confirmatory analyses without knowing what data were used and what conversions were performed.

Staff requests that the applicant provide corrected elevation, datum, datum conversion procedures, time period information, and gaging station identification for all surface water records discussed in the SSAR.