

PSEGESPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Tuesday, February 12, 2013 11:10 AM
To: 'PSEGRAIResponses@pseg.com'
Cc: PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Roach, Kevin; Clark, Phyllis; McLellan, Judith; Candelario, Luisette; Vega, Frankie; Erwin, Kenneth; Karas, Rebecca
Subject: PSEG Site ESPA DRAFT RAI 69 (eRAI 7017) SRP-02.05.04 (RGS2)
Attachments: PSEG Site ESPA Draft RAI 69 (eRAI 7017).doc

Please find attached DRAFT RAI No. 69 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: 144

Mail Envelope Properties (320204600EA7B9408FE833FF15E4FF7DC271B12DEA)

Subject: PSEG Site ESPA DRAFT RAI 69 (eRAI 7017) SRP-02.05.04 (RGS2)
Sent Date: 2/12/2013 11:10:17 AM
Received Date: 2/12/2013 11:10:18 AM
From: Chowdhury, Prosanta

Created By: Prosanta.Chowdhury@nrc.gov

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Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	764	2/12/2013 11:10:18 AM
PSEG Site ESPA Draft RAI 69 (eRAI 7017).doc	32762	

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information 69

Application Revision 1

DRAFT

2/12/2013

PSEG Site ESP
PSEG Power LLC, PSEG Nuclear LLC
Docket No. 52-043

Review Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS

02.05.04-27

Supplemental RAI

In response to RAI 41, Question 02.05.04-19, you presented a table (Table RAI-41-19-1) comparing the factor of safety of liquefaction potential for stress reduction factor (r_d) calculated at elevation -67 ft with that at elevation 12.8 ft. You stated that using the r_d at the top of the competent layer at elevation -67 ft is more conservative than using the r_d at the existing ground surface (elevation 12.8 ft). However, calculating r_d at elevation -67 ft is not consistent with the rest of the parameters used in the formula, which were determined corresponding to the existing ground surface (elevation 12.8 ft), and you did not propose any changes to the SSAR. In compliance with 10 CFR 100.23(d)(4), please justify in the SSAR the deviation from the formula and explain why the results are appropriate, or correct the liquefaction analysis and include the appropriate changes in the SSAR.