

PSEGESPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Friday, February 10, 2012 3:01 PM
To: 'PSEGRAIResponses@pseg.com'
Cc: PSEGESPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Roach, Kevin; Clark, Phyllis; Canova, Michael; McLellan, Judith; Cozens, Ian; Giacinto, Joseph; Caverly, Jill; Hatchett, Gregory
Subject: PSEG Site ESPA DRAFT RAI 60 (eRAI 6239) SRP-02.04.13 (RHEB)
Attachments: PSEG Site ESPA Draft RAI 60 (eRAI 6239).doc

Please find attached DRAFT RAI No. 60 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
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Subject: PSEG Site ESPA DRAFT RAI 60 (eRAI 6239) SRP-02.04.13 (RHEB)
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Received Date: 2/10/2012 3:01:00 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

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

Tracking Status: None

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

Tracking Status: None

"Canova, Michael" <Michael.Canova@nrc.gov>

Tracking Status: None

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

Tracking Status: None

"Cozens, Ian" <Ian.Cozens@nrc.gov>

Tracking Status: None

"Giacinto, Joseph" <Joseph.Giacinto@nrc.gov>

Tracking Status: None

"Caverly, Jill" <Jill.Caverly@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

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| PSEG Site ESPA Draft RAI 60 (eRAI 6239).doc | | 30714 |

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information No. 60

Application Revision 0

DRAFT

2/10/2012

PSEG Site ESP

PSEG Power LLC, PSEG Nuclear LLC

Docket No. 52-043

SRP Section: 02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters

Application Section: 02.04.13

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.13-14

In accordance with the requirements of 10 CFR 100.20(c) (3) as it relates to factors important to hydrological radionuclide transport, and as recommended in Standard Review Plan 2.4.13, please evaluate all release paths and compliance to regulatory requirements. The PSEG SSAR discusses the potential for the flow of groundwater in the eastern direction towards marshlands in section 2.4.13.1.4 "Radionuclide Transport Analysis," and states that this scenario is less conservative based on the longer transport duration, but does not detail why this is the case. This potential pathway is also not discussed in section 11.2.3.1 "Exposure Pathways," or the potential impacts from ingestion of aquatic organisms and recreational uses. Due to potentially variable release locations based on final plant layout and the potential for easterly groundwater flow towards the marshlands, please evaluate a release travelling in the eastern direction with receptacle points based in the marshlands and demonstrate how a release in this direction meets regulatory requirements.