

## **PSEGESPEnveRAIPEm Resource**

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**From:** Fetter, Allen  
**Sent:** Tuesday, August 28, 2012 4:55 PM  
**To:** PSEGRAIResponses@pseg.com  
**Cc:** PSEGESPEnveRAIPEm Resource; Robillard, David L; Mallon, James; Hsia, Anthony; Silvia, Andrea; Saulsbury, James; Zimmerman, Gregory P.  
**Subject:** PSEG Site ESPA Final RAI Env-01 (eRAI 6728)  
**Attachments:** PSEG Site ESPA Final RAI Env-01 (eRAI\_6728).pdf

Please find attached RAI Env-01 for the PSEG Site ESP Application. The Env-01 RAI encompasses the rGEN RAIs that were provided to you on July 20, 2012 as part of a complete table of draft RAIs. At your request, a clarification discussion of some of the rGEN RAIs (rGEN-04, rGEN-04 and rGEN-09) was held on August 7, 2012. Changes were made to the questions following clarification and no other changes are necessary; hence we are issuing this RAI as final.

The schedule we have established to the 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-day period so that the staff can assess how this information might impact the published schedule.

Please contact me if you have any questions.

Allen H. Fetter, Project Manager  
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**Received Date:** 8/28/2012 4:55:00 PM  
**From:** Fetter, Allen

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**Options**

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### Request for Additional Information Env-01

Issue Date: 8/28/2012

Application Title: PSEG Site ESP Environmental Review - Docket 52-043

Operating Company: PSEG Power LLC, PSEG Nuclear LLC

Docket No. 52-043

Review Section: EIS General RAIs

Application Section: ER

#### QUESTIONS

##### EIS General RAIs-1

rGEN-01: Provide a concise statement of the purpose and need for the proposed action based on current power supply and demand data for the relevant service area.

Supporting Information: Under 10 CFR 51, Appendix A (4), an environmental impact statement (EIS) must "briefly describe and specify the need for the proposed action." The text in ER Section 1.1.1 (Purpose and Need) should be updated (existing text refers to 2009 data) to reflect the purpose and need for the proposed action based on current information on the power supply and demand in the relevant service area.

##### EIS General RAIs-2

rGEN-04 and rGEN-05: Provide a description of the preconstruction and construction activities that would occur at the proposed site. Include the types, sequence, and durations of activities that would occur during preconstruction and construction. In particular, describe the activities associated with site preparation, power block construction, transmission line construction, causeway construction, and all other preconstruction and construction activities.

Supporting Information: Under 10 CFR 51.45(c), an "environmental report prepared at the early site permit stage under § 51.50(b) . . . must include a description of impacts of the preconstruction activities performed by the applicant at the proposed site (*i.e.*, those activities listed in paragraph (1)(ii) in the definition of "construction" contained in § 51.4), necessary to support the construction and operation of the facility which is the subject of the early site permit . . ."

Only some of the activities associated with building a nuclear power plant are part of the NRC action to license the plant. Activities for which an NRC license is required are defined as "construction" in 10 CFR 50.10(a) and 10 CFR 51.4. Activities associated with building a plant that are not licensed by the NRC as part of the proposed action are grouped under the term "preconstruction." The ER should distinguish between the two categories of activities and should provide details to differentiate the environmental impacts between the two, as well as their cumulative impacts. Interim NRC staff guidance concerning this evaluation is available on the NRC public web site in COL/ESP-ISG-4, at <http://www.nrc.gov/reading-rm/doc-collections/isg/col-esp-isg-4.pdf>

##### EIS General RAIs-3

rGEN-08: Provide representative ground-level photographs of the site on which major proposed station features (including all power block structures, the off-site transmission lines, and the causeway) are superimposed. Because the final project design has not been selected, the proposed station features could be represented by appropriately altered photographs of facilities at SGS or HCGS. These photos should be taken from the typical vantage points listed in ESRP 3.1, as well as from the residential areas of Bay View Beach, Delaware, and Hancock's Bridge, New Jersey; the transportation corridors of Lower Alloways Creek Township Road and Money Island Road; and recreational areas of the Delaware River and Abbot Meadows. Any other sensitive vantage points identified by the applicant should also be included. The photos should be provided as electronic JPEG files suitable for inclusion in the EIS on 8.5" x 11" pages.

Supporting Information: Under ESRP 3.1, the following data or information should be obtained:

“representative ground-level photographs of the site on which major proposed station features are superimposed. These should be taken from among the following typical vantage points when a visual impact from that location can be expected (from the ER):

1. residential
2. commercial
3. industrial
4. educational
5. transportation corridors (air, auto, rail, pedestrian)
6. cultural (recreational, historic, archaeological).

During the Environmental Site Audit, the applicant showed two photographs of the site on which (1) some power block structures and (2) the causeway had been superimposed. Neither of these photographs, nor any of the type specified in ESRP 3.1, was included in the ER.

EIS General RAIs-4

rGEN-09: Provide one or two new figures that represent a revised version(s) of ER Figure 3.1-2 “Site Utilization Plan.” The new figure(s) should show more detail about the proposed (ESP) facilities layout and less detail about existing (SGS and HCGS) facilities. In particular, the revised figure(s) should contain all the features of the current Figure 3.1-2 with the deletions and additions listed below.

**Deletions:**

- grid pattern
- notes and “see note \_\_\_” labels
- label “The minimum distance from power block envelope to exclusion area boundary is 600 meters (1968 feet)” and associated line
- label “construction boundary fence” and associated line
- label “site services building to be relocated” and associated line
- label “existing security checkpoint: and associated line
- labels “existing plant parking”
- label “learning and development center”
- label “processing center”
- label “operating plant access/egress” and associated line
- label “proposed relocated vehicle barrier system”
- label “Hope Creek cooling tower 48” blowdown line” and associated line
- label “Hope Creek fuel oil storage tank” and associated line
- label “waste water treatment” and associated line
- label “C Unit 1 S0480” at Salem and associated line
- label “C Unit 2 S0160” at Salem and associated line
- label “N/S000” at Salem
- label “E/W000” at Salem
- label “low level rad waste building” and associated line
- label “NOSF”
- label “security center” and associated line
- label “proposed material center vehicle screening area” and associated line
- label “alternate material center access road” and associated line
- label “material center”
- label “C Unit 1 N1040” at Hope Creek and associated line
- label “C Unit 1 W0500” at Hope Creek and associated line

**Additions:**

-power block, pre-construction, and construction footprints for proposed project facilities, including land areas to be cleared for proposed project facilities

The revised figure(s) should be provided as an electronic PDF file. The labels of all features on the revised figure(s) should be in large enough print as to be legible in an EIS figure(s) sized 5.75" x 8.0". The revised figure(s) should meet all the grayscale reproducibility requirements for NRC publications.

Supporting Information: Under ESRP 3.1, the following data or information should be obtained: "topographic maps of the site and vicinity (refer to ESRP 2.2) showing plant and station layout, the exclusion area, site boundary, liquid and gaseous release points (and their elevations), meteorological towers, the construction zone, land to be cleared, waste disposal areas, and other buildings and structures (both temporary and permanent) associated with the project (from the ER)."

ER Figure 3.1-2 (SSAR Figure 1.2-3) "Site Utilization Plan" shows many (but not all) of the items listed in ESRP 3.1, but it is illegible when printed to fit within the margins of an 8.5" X 11" page (i.e., 5.75" x 8.0"). The staff needs a revised figure(s) to accurately portray existing facilities, the footprints of proposed facilities, and affected areas in the EIS.