

PSEGSPeRAIPEm Resource

From: Chowdhury, Prosanta
Sent: Friday, February 10, 2012 10:31 AM
To: 'PSEGRAIResponses@pseg.com'
Cc: PSEGSPeRAIPEm Resource; 'James.Mallon@pseg.com'; 'David.Robillard@pseg.com'; Segala, John; Silvia, Andrea; Clark, Phyllis; McLellan, Judith; Musico, Bruce; Barss, Dan; Jones, Andrea
Subject: PSEG Site ESPA FINAL RAI 47 (eRAI 6241) SRP-13.03 (NSIR-LIB-EP)
Attachments: PSEG Site ESPA Final RAI 47 (eRAI 6241).pdf

Please find attached RAI 47 for the PSEG Site ESP Application. A draft of the RAI was provided to you on January 11, 2012. On January 24, 2012, you requested via email for a clarification call on Questions 13.03-28 through 13.03-37, and also stated verbally that you believed the application contained the information that has been requested in these Questions. The NRC staff revisited all Questions in this draft RAI and performed an in-depth search in the application material for the information sought in these Questions. The staff concluded that the information needed to satisfy the expectations expressed in Questions 13.03-29 through 13.03-37 was available in the application, and therefore, the need for response to these Questions does not exist any more; however, for Question 13.03-28, only part of the information could be found in the application. The above was communicated to you via a telephone call on February 10, 2012, and you indicated you would not need further clarification on this RAI. Based on the staff's conclusion above, Questions 13.03-29 through 13.03-37 have been deleted, and Question 13.03-28 has been revised in this RAI. No other changes were necessary, and therefore, we are issuing this RAI as final.

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

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

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From: Chowdhury, Prosanta

Created By: Prosanta.Chowdhury@nrc.gov

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Request for Additional Information No. 47

Application Revision 0

FINAL

2/10/2012

PSEG Site ESP
PSEG Power LLC, PSEG Nuclear LLC
Docket No. 52-043
SRP Section: 13.03 - Emergency Planning
Application Section: Part 5

QUESTIONS for Licensing and Inspection Branch (NSIR/DPR/LIB) (EP)

13.03-24

[Follow up to RAI 22, Question 13.03-12 [RAI E-1]]

Supplemental RAI 13.03-12S1:

In response to RAI 22, Question 13.03-12 [RAI E-1], the applicant stated that the Typical Initial Contact Message Form is for a Site Area Emergency (SAE) and no protective actions are recommended at that time. NUREG-0654/FEMA-REP-1, Rev. 1, Evaluation Criterion E.3 states that information about potentially affected population and areas be included in the initial Emergency Messages to be sent from the plant. Although a protective action recommendation may not be made at the SAE, offsite response organizations benefit from having this information at this time. In the Emergency Plan, include potentially affected population and areas in the initial contact message information, or explain why this is not necessary.

13.03-25

[Follow up to RAI 22, Question 13.03-13 [RAI F-1]]

Supplemental RAI 13.03-13S1:

In response to RAI 22, Question 13.03-13 [RAI F-1], the applicant stated that the design of the Control Room and TSC are not complete, therefore, a description of the power supplies cannot be provided. The applicant referenced ITAAC 3.0, which requires a demonstration of primary and secondary communications to response facilities, but this ITAAC does not address guaranteed or backup power. In the Emergency Plan, describe whether guaranteed or backup power will be available for the emergency communications equipment in the Control Room and TSC.

13.03-26

[Follow up to RAI 22, Question 13.03-13 [RAI F-2]]

Supplemental RAI 13.03-13S2:

In response to RAI 22, Question 13.03-13 [RAI F-2], the applicant stated that the design of the Federal Telecommunications System (FTS) is not complete. Therefore, a description of the FTS emergency communications equipment power supplies cannot be provided. RAI 22, Question 13.03-13 [RAI F-2] requested a discussion of availability of specific communication paths (not design details). The applicant referenced ITAAC 3.0, which requires a demonstration of primary and secondary communications to response facilities, but this ITAAC does not identify communication paths. In the Emergency Plan, discuss the availability of the Reactor Safety Counterpart Link (RSCL), Protective Measures Counterpart Link (PMCL), Management Counterpart Link (MCL), and Local Area Network (LAN).

13.03-27

[Follow up to RAI 22, Question 13.03-14 [RAI H-1]]

Supplemental RAI 13.03-14S1:

In response to RAI 22, Question 13.03-14 [RAI H-1], the applicant stated that Section 5.5 of the PSEG Site Emergency Plan states that the Radiation Monitoring System (RMS) computer and/or Safety Parameter Display System (SPDS) computer systems provide monitoring capability for the radiological parameters identified in Regulatory Guide 1.97. Although the staff reviewed Part 5, Section 9, "Emergency Facilities and Equipment" (Subsections 5.5 and 5.6) and Section 10, "Accident Assessment" (Subsection 5.0), the Section 5.5 language could not be found. However, the staff does note that Subsection 5.0, "Dose Assessment From Plant Effluent Monitors," includes the following in the second paragraph:

"The PSEG Site Radiation Monitoring System computer and/or Safety Parameter Display System provide early indication of abnormal radiological conditions from both process and area monitors. The computer systems provide monitoring capability for the radiological parameters identified in Regulatory Guide 1.97, including high range monitoring capability for effluent release paths. This data is input to the dose assessment computers at the PSEG site."

The computer systems - and its associated plant parameter variables - available in the TSC is not clear. Clarify and describe in the Emergency Plan, the availability in the TSC of the RMS and SPDS plant parameter variables, including those identified in Regulatory Guide 1.97. Please explain how the identification of these specific plant parameter variables is dependent upon selection of a reactor technology. If appropriate, identify this as a combined license (COL) action item.

13.03-28

[Follow up to RAI 22, Question 13.03-14 [RAI H-4]]

Supplemental RAI 13.03-14S2:

In response to RAI 22, Question 13.03-14 [RAI H-4], the applicant stated that facilities for emergency first aid treatment are identified in PSEG ESP Emergency Plan Section 13, "Medical Support." However, Section 13 does not address onsite facilities for emergency first aid. Please describe the emergency first aid treatment facilities onsite that will support the new plant.