



ND-2011-0001  
January 4, 2011

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: **PSEG Early Site Permit Application**  
**Docket No. 52-043**  
**Response to Request for Additional Information, RAI No. 1, Emergency**  
**Plan Considerations for Multi-Unit Sites**

- References:
- 1) PSEG Power, LLC letter to USNRC, Application for Early Site Permit for the PSEG Site, dated May 25, 2010
  - 2) RAI No. 1, Emergency Plan Considerations for Multi-Unit Sites, dated December 7, 2010 (eRAI 5261)

The purpose of this letter is to respond to the request for additional information (RAI) identified in Reference 2 above. This RAI addresses Emergency Plan Considerations for Multi-Unit Sites, as described in Section 1 of the Emergency Plan, as submitted in Part 5 of the PSEG Site Early Site Permit Application, Revision 0.

Enclosure 1 provides our response for RAI No. 1, Question No. 13.03-1. Our response to RAI No. 1, Question No. 13.03-1, includes revised ESPA content with Enclosure 2 providing the proposed revision of the submitted Emergency Plan.

Regulatory commitments established in this submittal are identified in Enclosure 3. If any additional information is needed, please contact David Robillard, PSEG Nuclear Development Licensing Engineer, at (856) 339-7914.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 4th day of January, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "David P. Lewis".

David P. Lewis  
Nuclear Development Project Director  
PSEG Power, LLC

DO79  
MRO

Enclosure 1: Response to NRC Request for Additional Information, RAI No. 1,  
Question No. 13.03-1, Emergency Plan Considerations for Multi-Unit  
Sites, PSEG Site

Enclosure 2: Proposed Revision, Part 5, Emergency Plan

Enclosure 3: Summary of Regulatory Commitments

C: USNRC, Director, Office of New Reactors / NRLPO (w/enclosure)  
USNRC, Project Manager, Division of New Reactor Licensing, PSEG Site  
(w/enclosure)  
USNRC, Region I, Regional Administrator (w/enclosure)

**ENCLOSURE 1**

**RESPONSE to RAI No. 1**

**QUESTION 13.03-1**

ND-2011-0001  
January 4, 2011

Response to RAI No. 1, Question 13.03-1:

In Reference 2, the NRC staff asked PSEG for clarification about the relationship between the PSEG Emergency Plan and the Salem & Hope Creek Emergency plan. The specific request was:

*Clarify whether the PSEG ESP application is proposing changes to the existing SGS and HCGS Emergency Plan as a single site emergency plan for 4 or 5 reactors, or whether the proposed ESP Emergency Plan is to be considered a stand-alone emergency plan for one or two new reactors. If this is to be an integrated site emergency plan for 4-5 reactors, address the 9 provisions of RG 1.206, Section C.I.13.3.2, "Emergency Plan Considerations for Multi-unit Sites."*

The Emergency Plan submitted in Reference 1 is a separate plan from the Salem & Hope Creek Emergency Plan. In order to eliminate any future confusion the Emergency Plan will be revised to eliminate the reference to 10 CFR 50.54 (q) in Section 1, "Introduction".

**ENCLOSURE 2**

**PROPOSED REVISION**

**PART 5**

**EMERGENCY PLAN**

**PSEG Site  
ESP Application  
Part 5, Emergency Plan**

**SECTION 1**

**INTRODUCTION**

1.0 Purpose

This plan has as its fundamental purpose the protection of health and safety of the general public and site personnel from the potential hazards of a radiological emergency.

2.0 Background

This plan is submitted in accordance with the requirements of 10 CFR 50.54(c), 10 CFR 50 Appendix E and the objectives of NUREG 0654 (November 1980).

3.0 Scope

This plan identifies the normal and emergency operating organizations, the emergency facilities available, and the overall program for managing and recovering from an emergency situation. The plan shows which federal, state, and local authorities and agencies are available for assistance, and that liaison with such authorities and agencies can be and is established in order to obtain assistance and implement protective actions if necessary. In this manner, the plan reflects the combined efforts and coordination of all responsible organizations, and addresses the general criteria and organization for managing an emergency.

4.0 Planning Basis

In developing this plan, the following reference documents were used as the planning basis:

- (1) "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants", NUREG-0654/FEMA, REP.- 1, Rev. I (November 1980); and
- (2) "Planning Basis for the Development of State and Local Government Radiological Emergency Response Plans in Support of Light Water Nuclear Power Plants" NUREG-0396, EPA 510/1-78-016 (December 1978).

The PSEG Site is 15 miles south of the Delaware Memorial Bridge, 18 miles south of Wilmington, Delaware, 30 miles southwest of Philadelphia, Pennsylvania, and 7-1/2 miles southwest of Salem, New Jersey. Figure 1-1 shows the general location of the PSEG Site and the PSEG Site layout is shown in Figure 1-2. The closest primary public road is New Jersey Route 49, and typical access to the site is from Alloway Creek Neck Road.

The overall objective of this plan is to prevent or reduce radiation exposures to the public resulting from an accident at the PSEG Site. The actual or potential exposures considered in the development of this plan are due to the two principal pathways (plume and ingestion). Although the selected planning basis is independent of specific accident sequences, a number of accident descriptions were considered in the development of this plan, including the core melt accident release categories of the Reactor Safety Study (WASH 1400).

### ENCLOSURE 3

#### SUMMARY OF REGULATORY COMMITMENTS

(PSEG Letter to USNRC, ND-2011-0001, dated January 4, 2011)

The following table identifies commitments made in this document. (Any other actions discussed in the submittal represent intended or planned actions. They are described to the NRC for the NRC's information and are not regulatory commitments.)

COMMITMENT	COMMITTED DATE	COMMITMENT TYPE	
		ONE-TIME ACTION (Yes/No)	Programmatic (Yes/No)
PSEG will revise Section 1 of Part 5, Emergency Plan to incorporate the changes in Enclosure 1 in response to NRC RAI 13.03-1	This revision will be included in the next periodic update of the PSEG Site ESP application Emergency Plan	Yes	No