



ND-2010-0094  
July 29, 2010

10 CFR 52, Subpart A

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

Subject: **PSEG Power, LLC**  
**Submittal of Revision to Site Safety Analysis Report Section 13.6 in**  
**Support of Early Site Permit Application for the PSEG Site**  
**NRC Project Number 771**

References: PSEG Power, LLC letter to USNRC, Application for Early Site Permit for  
the PSEG Site, dated May 25, 2010

PSEG Power, LLC and PSEG Nuclear, LLC (together, "Applicants") submitted an application for an early site permit (ESP) in the referenced letter for a site near Salem, New Jersey.

In addition to the contents of the application, PSEG is providing the following supplemental information in support of the review of the PSEG ESP application. This information confirms previous discussion with the NRC staff regarding acceptance review questions during a conference call held June 28, 2010.

Enclosure 1 provides a mark-up of Site Safety Analysis Report (SSAR), Section 13.6. The mark-up adds a reference to 10 CFR 52.17, *Contents of applications; technical information*, to indicate that the characteristics of the new plant footprint are in compliance with the requirements of 10 CFR 52.17(a)(1)(x).

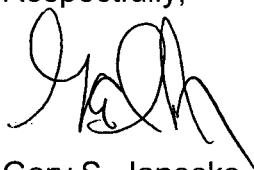
PSEG commits to revise the PSEG Site ESP SSAR Section 13.6 to include the information provided in Enclosure 1. The revision will be included in the next periodic update of the PSEG Site SSAR.

Regulatory commitments established in this submittal are identified in Enclosure 2. If any additional information is needed, please contact me at (856) 339-7912.

DOT9  
NRC

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 29th day of July, 2010.

Respectfully,



Gary S. Janosko  
Nuclear Development Regulatory Director  
PSEG Power, LLC

Enclosure 1: SSAR Section 13.6 Revised Page  
Enclosure 2: Summary of Regulatory Commitments

- C USNRC, Director, Office of New Reactors/DNRL (w/enclosures)
- USNRC, Project Manager, Division of New Reactor Licensing, PSEG Site (w/enclosures)
- USNRC, Environmental Project Manager, Division of Site and Environmental Reviews (w/ enclosures)
- USNRC, Region I, Regional Administrator (w/enclosures)

Enclosure 1

SSAR Section 13.6 Revised Page

Pages  
13.6-1

**PSEG Site  
ESP Application  
Part 2, Site Safety Analysis Report**

### 13.6 INDUSTRIAL SECURITY

The area to be developed for the new plant at the PSEG Site is located to the north of HCGS. There will be a protected area encompassing the new plant. The physical protection of the new plant, as with the existing units, is based on:

- Controlling access to the PSEG Site and all units
- Screening plant personnel
- Monitoring security equipment
- Designing and arranging station features
- Obtaining assistance from local law enforcement personnel

Prior to taking possession of nuclear fuel at the new plant, a vehicle barrier system will be implemented at the appropriate stand-off distance.

The characteristics of the new plant footprint are such that the applicable requirements of the following are met:

- *10 CFR 52.17 (a)(1)(k)*
- 10 CFR 73.55, *Requirements for physical protection of licensed activities in nuclear power reactors against radiological sabotage*
- NRC Regulatory Guide 4.7, *General Site Suitability Criteria for Nuclear Stations*, Revision 2, 1998
- NEI 03-12, *Template for Security Plan and Training and Qualification Plan*
- EA-03-086, *Revised Design Basis Threat Order*
- Post-9/11 NRC Orders

The PSEG Site is sufficiently large to provide adequate distances between structures and the probable location of the security boundaries. The layout of the PSEG Site is provided in Figure 1.2-3. The PSEG Site is bordered on the west and the south by the Delaware River. There is an approved comprehensive security plan in place for the SGS and HCGS that is in compliance with the post-9/11 NRC Orders. When PSEG proceeds with construction and operation of a new plant, the existing security boundary will be extended to include the new plant. The security plan and defensive strategy will be updated to incorporate the new plant and ensure that the above referenced security requirements are met.

In accordance with 10 CFR 100, *Reactor Site Criteria*, paragraph 21(f), PSEG will ensure that site characteristics are adequate to support security plans and measures. When a reactor technology selection is made and a combined license (COL) application is prepared, the specific design features to assure site security in compliance with 10 CFR 73.55, will be defined. Design features will assure that the existing security spatial distances for SGS and HCGS are met during construction and operation of the new plant. The new plant design will include physical barriers, access requirements, security monitoring equipment and methods to screen station operating personnel, communications, and testing and maintenance.

Based on review of nearby facilities, there are no potential hazards in the vicinity of the PSEG Site. Additional details on site hazards are provided in Section 2.2. The new plant is located at a sufficient distance from HCGS to meet the minimum requirements of Regulatory Guide 4.7,

## Enclosure 2

### SUMMARY OF REGULATORY COMMITMENTS (PSEG Letter to USNRC No. ND-2010-0094, dated July 29, 2010)

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 commits to revise the PSEG Site ESP application Site Safety Analysis Report Section 13.6 to include a reference to 10 CFR 52.17(a)(1)(x) to indicate that the site characteristics are such that the requirements of 10 CFR 52.17(a)(1)(x) are met.	This revision will be included in the next periodic update of the PSEG Site ESP application SSAR.	Yes	No

BC P. Davison (w/o enclosure)  
G. Janosko (w/o enclosure)  
D. Lewis (w/o enclosure)  
J. Mallon (w/o enclosure)  
C. Neely (w/o enclosure)  
D. Robillard (w/o enclosure)  
File