

July 17, 2015

Mr. John W. Stetkar, Chairman  
Advisory Committee on Reactor Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

SUBJECT: REPORT ON THE SAFETY ASPECTS OF THE PSEG POWER, LLC AND PSEG  
NUCLEAR, LLC EARLY SITE PERMIT APPLICATION FOR THE PSEG SITE

Dear Mr. Stetkar:

I am writing in response to the letter from the Advisory Committee on Reactor Safeguards (ACRS or the Committee) dated June 25, 2015, in which the ACRS reported on its safety review of the staff's advanced safety evaluation report for the PSEG Power, LLC and PSEG Nuclear, LLC early site permit application for the PSEG site. This early site permit application is based on the plant parameter envelope approach instead of a specific reactor design. The ACRS undertook this review to fulfill the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Section 52.87, "Referral to the Advisory Committee on Reactor Safeguards (ACRS)."

In its letter, the ACRS provided the following observations:

1. The applicant's ground motion response spectrum, developed with consideration of the requirements resulting from the reactor accident at Fukushima as well as the updated seismic source catalogue to account for the earthquake at Mineral, Virginia, was acceptable to the staff.
2. The applicant's two-dimensional storm surge analysis models accounted more realistically for details of the site compared to the one-dimensional analysis model, and showed the storm surge for a Category IV hurricane with wave run-up to remain below the proposed site grade level. The staff's independent confirmatory analysis agreed with the applicant's prediction.
3. The early site permit application contains a complete and integrated emergency plan, and does not contain a request for a limited work authorization.
4. The staff's advanced safety evaluation report contains no open items, and there are no contentions filed.

The ACRS concluded that based on its review of the application and the staff's advanced safety evaluation report, the early site permit should be issued.

J. Stetkar

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The staff agrees with the ACRS observations and conclusions.

The staff appreciates the Committee's efforts on this matter. We thank the ACRS for its time and its valuable input, and we look forward to working with the Committee in the future.

Sincerely,

*/RA/*

Mark A. Satorius  
Executive Director  
for Operations

cc: Chairman Burns  
Commissioner Svinicki  
Commissioner Ostendorff  
Commissioner Baran  
SECY

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Sincerely,

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