



ND-2012-0010
May 10, 2013

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. 67, Probable
Maximum Surge and Seiche Flooding

- References: 1) PSEG Power, LLC Letter No. ND-2013-0006 to USNRC, Submittal of Revision 2 of the Early Site Permit Application for the PSEG Site, dated March 27, 2013
- 2) RAI No. 67, SRP Section: 02.04.05 - Probable Maximum Surge and Seiche Flooding, dated October 29, 2012 (eRAI 6615)
- 3) PSEG Power, LLC Letter No. ND-2012-0076 to USNRC, Response to Request for Additional Information, RAI No. 67, Probable Maximum Surge and Seiche Flooding, dated November 27, 2012

The purpose of this letter is to provide a revised schedule for responding to the request for additional information (RAI) identified in Reference 2 above. This RAI addresses Probable Maximum Surge and Seiche Flooding, as described in Subsection 2.4.5 of the Site Safety Analysis Report (SSAR), as submitted in Part 2 of the PSEG Site Early Site Permit Application (ESPA), Revision 2.

As requested in RAI No. 67, Question No. 02.04.05-12, PSEG is developing an analysis of the Probable Maximum Storm Surge (PMSS) using a two-dimensional storm surge model (i.e., ADCIRC) with resolution that captures the nuances of the bathymetry and topography near the PSEG Site. In Reference 3, PSEG stated that the response to RAI No. 67 would be submitted to the NRC by May 15, 2013.

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PSEG has decided to develop the PMSS analysis using the Joint Probability Method with Optimal Sampling (JPM-OS). JPM-OS is a simulation methodology that relies on development of statistical distributions of key hurricane input parameters to develop model hurricanes and ultimately determine the effects and probabilities of the PMSS at the PSEG Site. The revised analysis using the JPM-OS methodology requires significantly more time to develop. Therefore, PSEG will submit the response to RAI No. 67 no later than October 31, 2013.

There are no regulatory commitments contained in this letter.

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 10th day of May 2013.

Sincerely,

A handwritten signature in cursive script, appearing to read "James Mallon".

James Mallon
Early Site Permit Manager
Nuclear Development
PSEG Power, LLC

cc: USNRC Project Manager, Division of New Reactor Licensing, PSEG Site
USNRC Environmental Project Manager, Division of New Reactor Licensing
USNRC Region I, Regional Administrator