May 10, 2007

Mr. William Levis
Senior Vice President & Chief Nuclear Officer
PSEG Nuclear LLC - N09
Post Office Box 236
Hancocks Bridge, NJ 08038

SUBJECT: PSEG NUCLEAR LLC RESPONSE TO GENERIC LETTER 2006-02 "GRID RELIABILITY AND THE IMPACT ON PLANT RISK AND THE OPERABILITY OF OFFSITE POWER" FOR HOPE CREEK GENERATING STATION AND SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2 (TAC NOS. MD0989, MD1028 AND MD1029)

Dear Mr. Levis:

On February 1, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2006-02, "Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML060180352) to all holders of operating licenses for nuclear power reactors except those who have permanently ceased operation and have certified that fuel has been removed from the reactor vessel.

GL 2006-02 notified licensees of the NRC staff's need for information in four areas as follows:

(1) use of protocols between the nuclear power plant (NPP) and the transmission system operator (TSO), independent system operator (ISO), or reliability coordinator/authority (RC/RA) and the use of transmission load flow analysis tools (analysis tools) by TSOs to assist NPPs in monitoring grid conditions to determine the operability of offsite power systems under plant technical specifications (TSs). (The TSO, ISO, or RA/RC is responsible for preserving the reliability of the local transmission system. In this GL the term TSO is used to denote these entities);

(2) use of NPP/TSO protocols and analysis tools by TSOs to assist NPPs in monitoring grid conditions for consideration in maintenance risk assessments;

(3) offsite power restoration procedures in accordance with Section 2 of NRC Regulatory Guide (RG) 1.155, "Station Blackout;" and

(4) losses of offsite power caused by grid failures at a frequency equal to or greater than once in 20 site-years in accordance with RG 1.155.

Subsequent to issuance of the GL, the NRC issued a Request For Additional Information (RAI) (ADAMS Accession No. ML063380308) regarding the resolution of GL 2006-02 to 63 of 65 holders of operating licenses for nuclear power reactors. The RAI requested licensees respond to questions in the following areas:

(1) Switchyard Minimum Voltage;

(2) Loss of Real-Time Contingency Analysis (RTCA) Capability;

(3) Verification of RTCA Predicted Post-Trip Voltage;

(4) Identification of Applicable Single Contingencies;

(5) Seasonal Variation in Grid Stress (reliability and Loss-of-offsite power Probability;

(6) Interface With Transmission System Operator During Extended Plant Maintenance.

By letters dated April 3, 2006, and January 26, 2007 (ADAMS Accession Nos. ML061010699 and ML070370181, respectively) you responded to the information request of GL 2006-02 and the subsequent RAI for the Hope Creek Generating Station (Hope Creek). Similarly, for Salem Nuclear Generating Station, Units Nos. 1 and 2 (Salem), you responded by letters dated March 31, 2006, and January 26, 2007 (ADAMS Accession Nos. ML061010718 and ML070380313, respectively). Based on the information you provided, the NRC staff has concluded that compliance is being maintained with NRC regulatory requirements governing electric power sources and associated personnel training and considers the responses to GL 2006-02 for Hope Creek and Salem to be complete. This completes the NRC staff efforts for TAC Nos. MD0989, MD1028 and MD1029.

If you have any questions, please contact me 301-415-1420.

Sincerely,

/ra/

Richard B. Ennis, Senior Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-354, 50-272, and 50-311

cc: See next page

(1) Switchyard Minimum Voltage;

(2) Loss of Real-Time Contingency Analysis (RTCA) Capability;

(3) Verification of RTCA Predicted Post-Trip Voltage;

(4) Identification of Applicable Single Contingencies;

(5) Seasonal Variation in Grid Stress (reliability and Loss-of-offsite power Probability;

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/ra/
Richard B. Ennis, Senior Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
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