



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 29, 2007

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

SUBJECT: SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2, AND HOPE CREEK GENERATING STATION - DISTRIBUTION OF REVISION 2 OF THE NRC'S SIGNIFICANCE DETERMINATION PROCESS RISK-INFORMED INSPECTION NOTEBOOKS, AND ACCOMPANYING PHASE 2 PRE-SOLVED TABLES (TAC NO. MD6415)

Dear Mr. Levis:

In 2004, the U.S. Nuclear Regulatory Commission (NRC) requested information from licensees to support the Significance Determination Process (SDP) Risk-Informed Inspection Notebook (notebook) enhancement/standardization effort. The NRC has completed this effort and has issued Revision 2 of the notebook for Salem Nuclear Generating Station, Unit Nos. 1 and 2 (Salem), and Hope Creek Generating Station (Hope Creek). The NRC developed these notebooks to facilitate Phase 2 of the NRC inspection finding significance determination process detailed in Inspection Manual Chapter 0609, "Significance Determination Process," Appendix A, "Determining the Significance of Reactor Inspection Findings for At-Power Situations." SECY-99-007A, "Recommendations for Reactor Oversight Process Improvements," set forth this process and additional details are included in the NRC Inspection Manual Chapter 0308, "Reactor Oversight Process Basis Document." NRC inspectors and risk analysts, who have extensive understanding of plant-specific design features and operation, are expected to use these notebooks. The notebooks will be updated on a case-by-case basis as needed to reflect changes to the facilities.

Revision 2 of the notebooks is accompanied by the Site Specific Pre-Solved Spreadsheet (the Spreadsheet). The NRC added the Spreadsheet to help reduce the time it takes to process inspection findings. The NRC benchmarked the notebooks against licensee Probability Risk Assessments and plant configurations. The enclosed compact disks (one for Salem and one for Hope Creek) containing the above documents are provided for your use to facilitate your understanding of the SDP in Inspection Manual Chapter 0609.

**The enclosures transmitted herewith contain Security-Related information. When separated from enclosures, this document is decontrolled.**

W. Levis

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The information on the enclosed compact disks is designated exempt from public disclosure pursuant to Section 2.390(d)(1) of Title 10 of the *Code of Federal Regulations* since they contain security-related information.

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

Sincerely,



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

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

Enclosures:

1. Compact disk with Salem SDP Revision 2  
and Site Specific Pre-solved Spreadsheet  
~~Official Use Only - Security-Related Information~~ *RS*

2. Compact disk with Hope Creek SDP Revision 2  
and Site Specific Pre-solved Spreadsheet  
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cc w/o encls: See next page

Hope Creek Generating Station and Salem Nuclear Generating Station, Unit Nos. 1 and 2

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/ra/

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

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

Enclosures:

- 1. Compact disk with Salem SDP Revision 2 and Site Specific Pre-solved Spreadsheet

~~Official Use Only - Security Related Information~~ *pse*

- 2. Compact disk with Hope Creek SDP Revision 2 and Site Specific Pre-solved Spreadsheet

~~Official Use Only - Security Related Information~~ *pse*

cc w/o encls: See next page

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Enclosure 1: ML071700407 (Notebook), ML071700410 (Spreadsheet)

Enclosure 2: ML071700222 (Notebook), ML071700224 (Spreadsheet)

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