November 8,2007

Mr. Michael A. Balduzzi
Sr. Vice President & COO
Regional Operations, NE
Entergy Nuclear Operations, Inc.
440 Hamilton Avenue
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SUBJECT: VERMONT YANKEE NUCLEAR POWER 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. Balduzzi:

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 Vermont Yankee Nuclear Power Station. 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," sets 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 disk containing the above documents is provided for your use to facilitate your understanding of the SDP in Inspection Manual Chapter 0609.

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

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

If you have any questions, please contact me at (301) 415-4125.

Sincerely,

***/RA/***

James S. Kim, Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosure: Compact Disk with Vermont Yankee Nuclear Power Station SDP Revision 2 and Site Specific Pre-Solved Spreadsheet **Official Use Only - Security Related Information**

cc w/o encl: See next page

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