

B. Waldrep

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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) 415-1321.

Sincerely,

Stewart N. Bailey, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

Enclosure: CD w/ Brunswick SDP Notebook, Rev. 2,  
and Site Specific Pre-Solved Spreadsheet  
**Official Use Only - Security Related Information**

cc w/o enclosure: See next page

**DISTRIBUTION W/O ENCLOSURE:**

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ADAMS Accession Number: Package: ML080140182  
Non Pub. Ltr.: ML080080626 Pub. Ltr.: ML080140323  
Brunswick Spreadsheet: ML071700059  
Brunswick Notebook: ML071700057 NRR-106

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DATE	1/14/08	1/14/08	1/14/08

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

January 14, 2008

Mr. Benjamin Waldrep, Vice President  
Brunswick Steam Electric Plant  
Carolina Power & Light Company  
Post Office Box 10429  
Southport, North Carolina 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 - 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. Waldrep

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 the Brunswick Steam Electric Plant, Unit Nos. 1 and 2. The NRC developed these notebooks to facilitate Phase 2 of the NRC inspection finding SDP 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 (CDs) containing the above documents are provided for your use to facilitate your understanding of the significance determination process in Inspection Manual Chapter 0609.

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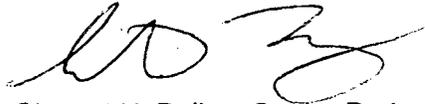
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SMB

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Units 1 and 2

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