



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

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February 26, 2008

Mr. William R. Campbell, Jr.  
Chief Nuclear Officer and  
Executive Vice President  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
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**SUBJECT: BROWNS FERRY NUCLEAR PLANT UNITS 1, 2 AND 3 - 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. Campbell:

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 Browns Ferry Nuclear Plant (BFN), Units 2 and 3. It should be noted that the SDP notebook does not include Unit 1. Any findings for Unit 1 will be screened in accordance with the Reactor Oversight Process using the Unit 2 notebook with any needed plant-specific adjustments handled through the Region II senior risk analysts.

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," 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 (CD) 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.  
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document is decontrolled.**

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W. Campbell, Jr.

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The information on the enclosed CD 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) 415-2315.

Sincerely,

**/RA/**

Eva A. Brown, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296

Enclosure: CD w/BFN Units 2 and 3 SDP Rev. 2  
and Site Specific Pre-Solved Spreadsheet  
**Official Use Only - Security Related Information**

cc w/o encl: See next page

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**BROWNS FERRY NUCLEAR PLANT**

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