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

October 18, 2007

Mr. Joseph E. Venable  
Site Vice President  
Entergy Operations, Inc.  
River Bend Station  
5485 US Highway 61N  
St. Francisville, LA 70775

SUBJECT: RIVER BEND STATION, UNIT 1 - 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. Venable:

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 River Bend Station, Unit 1 (RBS). 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.

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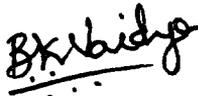
J. E. Venable

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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) 415-3308.

Sincerely,



Bhalchandra Vaidya, Project Manager  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-458

Enclosure: Compact Disk for River Bend Station, Unit 1 with 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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## River Bend Station

cc:

Senior Vice President  
Entergy Nuclear Operations  
P.O. Box 31995  
Jackson, MS 39286-1995

Senior Vice President and COO  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, MS 39286-1995

Vice President, Operations Support  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, MS 39286-1995

General Manager, Plant Operations  
Entergy Operations, Inc.  
River Bend Station  
5485 US Highway 61N  
St. Francisville, LA 70775

Director, Nuclear Safety & Licensing  
Entergy Services, Inc.  
440 Hamilton Avenue  
White Plains, NY 10601

Director, Nuclear Safety Assurance  
Entergy Operations, Inc.  
River Bend Station  
5485 US Highway 61N  
St. Francisville, LA 70775

Senior Manager, Nuclear Safety & Licensing  
Entergy Services, Inc.  
P.O. Box 31995  
Jackson, MS 39286-1995

Manager, Licensing  
Entergy Operations, Inc.  
River Bend Station  
5485 US Highway 61N  
St. Francisville, LA 70775

Louisiana Department of Environmental  
Quality  
Radiological Emergency Planning and  
Response Division  
P.O. Box 4312  
Baton Rouge, LA 70821-4312

Louisiana Department of Environmental  
Quality  
Office of Environmental Compliance  
P.O. Box 4312  
Baton Rouge, LA 70821-4312

Attorney General  
State of Louisiana  
P.O. Box 94095  
Baton Rouge, LA 70804-9095

President of West Feliciana  
Police Jury  
P.O. Box 1921  
St. Francisville, LA 70775

Mr. Brian Almon  
Public Utility Commission  
William B. Travis Building  
P.O. Box 13326  
1701 North Congress Avenue  
Austin, Texas 78701-3326

Mr. Jim Calloway  
Public Utility  
Commission of Texas  
1701 N. Congress Avenue  
Austin, TX 78711-3326

Ms. H. Anne Plettinger  
3456 Villa Rose Drive  
Baton Rouge, LA 70806

Mr. Richard Penrod, Senior Environmental  
Scientist/State Liaison Officer  
Office of Environmental Services  
Northwestern State University  
Russell Hall, Room 201  
Natchitoches, LA 71497

Senior Resident Inspector  
P.O. Box 1050  
St. Francisville, LA 70775

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

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/RA/

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Non-Public Notebook ML071700389, NON-Public Spreadsheet ML071700393

OFFICE	NRR/LPL4/PM	NRR/LPL4/LA	NRR/LPL4/BC
NAME	BVaidya BJK	JBurkhardt JB	THiltz TH
DATE	10/18/07	10/17/07	10/18/07

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