



Entergy Operations, Inc.  
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Michael A. Krupa  
Director  
Nuclear Safety & Licensing

July 6, 2001

U. S. Nuclear Regulatory Commission  
Attn.: Document Control Desk  
Washington, DC 20555-0001

Subject: Entergy Operations, Inc.  
Review of Caldon Topical Report ER-157P

Waterford Steam Electric Station – Unit 3	Grand Gulf Nuclear Station
Docket No. 50-382	Docket No. 50-416
License No. NPF-38	License No. NPF-29

River Bend Station  
Docket No. 50-458  
License No. NPF-47

CNRO-2001-00029

Enclosed are copies of a Caldon Technical Report, ER-157, Revision 3, "Supplement to Topical Report ER-80P: Basis for a Power Uprate with the LEFM<sup>✓</sup>™ or LEFM CheckPlus™ System." Entergy requests your review of this report in preparation for the review of future plant-specific submittals that will request power uprates of between 1.5% and 1.7% of rated thermal power. Entergy plans to reference this report as a basis for power uprate requests for Waterford 3 (September 2001), Grand Gulf Nuclear Station (January 2002) and River Bend Station (April 2002).

This document supplements Topical Report ER-80, "Improving Thermal Power Accuracy and Plant Safety While Increasing Operating Power Level Using the LEFM System." The NRC had reviewed that report and issued a Safety Evaluation Report on March 8, 1999 (on the Comanche Peak docket, 50-445 and 50-446). The report documented an uprate conservatively limited to 1% was acceptable using the LEFM<sup>✓</sup>™. The attached report documents that instrument uncertainties using the LEFM CheckPlus system design will support the magnitude of the planned uprate requests by Entergy.

APOL  
1/3 Prop encls  
1/3 NP encls

Extra Copies  
to: Bob - 07D-1  
Moody

Note that three copies of both proprietary and non-proprietary versions of the report are attached. The proprietary version is identified as ER-157P and the non-proprietary version is ER-157N. An affidavit signed by an officer of Caldon, Inc. is attached in support of a request that the proprietary version be withheld from public disclosure. This request is made pursuant to 10CFR2.790. The address of Caldon is provided in the cover memorandum included in Attachment 3.

Entergy plans to request that the one of the future power uprate submittals be approved by April 2002. In support of that planned application, review of this report is requested by January 2002.

Should you have any questions regarding this submittal, please contact Jerry Burford at (601) 368-5755.

This letter contains no commitments.

Very truly yours,



MAK/FGB/baa

attachment: 1. Caldon Topical Report ER-157P (Proprietary)  
2. Caldon Topical Report ER-157N (Non-Proprietary)  
3. Affidavit Concerning Proprietary Information

cc: (All cc w/o attachments)  
Mr. W. A. Eaton (G-ESC3-VPO)  
Mr. R. K. Edington (R-GSB-40)  
Mr. J. T. Herron (W-GSB-300)  
Mr. P. D. Hinnenkamp (M-ECH-579)  
  
Mr. T. R. Farnholtz, NRC Senior Resident Inspector (W-3)  
Mr. T. L. Hoeg, NRC Senior Resident Inspector (GGNS)  
Mr. N. Kalyanam, NRR Project Manager (W-3)  
Mr. E. W. Merschoff, NRC Region IV Regional Administrator  
Mr. W. E. Moody, NRR Project Manager (RBS)  
Mr. T. W. Pruett, NRC Senior Resident Inspector (RBS)  
Mr. S. P. Sekerak, NRR Project Manager (GGNS)

ATTACHMENT 3  
to letter CNRO-2001-00029

Affidavit for Request to Withhold Caldon ER-157P from Public Disclosure