



**Entergy Nuclear South**  
Entergy Operations Inc.  
17265 River Road  
Killona, LA 70057  
Tel 504 739 6247  
Fax 504 739 6698  
kcook@entergy.com

**Kimberly S. Cook**  
Director, Nuclear Safety Assurance  
Nuclear Safety Assurance  
Waterford 3

**Attachment 1 Contains 10CFR2.390 Proprietary Information**

W3F1-2008-0018

February 29, 2008

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

Subject: Supplemental Response to NRC Generic Letter 2004-02  
"Potential Impact of Debris Blockage on Emergency Recirculation during Design  
Basis Accidents at Pressurized-Water Reactors"  
Waterford Steam Electric Station, Unit 3 (Waterford 3)  
Docket No. 50-382  
License No. NPF-38

Dear Sir or Madam:

The purpose of this letter is to provide Entergy's supplemental response to Generic Letter 2004-02, "*Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors (PWRs)*," dated September 13, 2004 for Waterford 3 (W-3) per NRC letter to NEI dated November 30, 2007. The NRC letter to NEI authorized licensees up to two months beyond December 31, 2007 to provide the supplemental responses. This submittal has been prepared per the Revised Content Guide for Generic Letter 2004-02 Supplemental Responses dated November 2007.

The supplemental response provides the requested information in the revised content guide and provides responses to open items identified in the NRC-W3 GL 2004-02 audit report dated January 28, 2008. Some of the technical analysis for the GL 2004-02 is not complete. Accordingly some of the requested information in the content guide and the responses to the NRC-W3 GL 2004-02 audit report open items can not be completed at this time. A complete supplemental response will be provided to the NRC per the NRC extension granted to W3 on December 10, 2007. The strainer head-loss testing and analyses will be completed by the end of Waterford 3 spring 2008 refueling outage RF15 (Mode 1). Entergy will update its licensing basis to reflect resolution of Waterford 3 GSI-191 issues within 60 days of completion of the Waterford 3 RF15 (Mode 1). And per the Revised Content Guide, the remaining information (final supplemental response) will be provided to the NRC within 90 days of completion of all actions needed to address GL 2004-02. The final supplemental response will provide the basis for the NRC's final assessment of W3 conformance with GL 2004-02.

A116

NRR

Attachment 1 provides the details of the supplemental response and includes proprietary information. The proprietary information was provided to Entergy in a GE Hitachi Nuclear Energy (GEH) transmittal that is referenced by an affidavit. GEH requests the enclosed proprietary information identified in Attachment 1 be withheld from public disclosure in accordance with the provisions of 10CFR 2.390 and 10CFR 9.17. Attachment 2 is the non-proprietary version of the response. Attachment 3 contains the affidavit for withholding the proprietary information contained in Attachment 1.

New commitments contained in this submittal are summarized in Attachment 4.

I declare under penalty of perjury that the foregoing is true and correct. Executed on February 29, 2008.

Sincerely,

A handwritten signature in black ink, appearing to read "K.S. Cook", written over a large, stylized initial "P".

KSC/GCS/ssf

- Attachment(s):
1. Supplemental Response to NRC GL 2004-02 (Proprietary Information)
  2. Supplemental Response to NRC GL 2003-02 (Non-Proprietary Information)
  3. Affidavit
  4. Regulatory Commitments

(w/o Attachment 1) (w/Attachments 2 through 4)  
cc: Mr. Elmo E. Collins, Jr.  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

NRC Senior Resident Inspector  
Waterford Steam Electric Station Unit 3  
P.O. Box 822  
Killona, LA 70066-0751

U. S. Nuclear Regulatory Commission  
Attn: Mr. N. Kalyanam  
Mail Stop O-07D1  
Washington, DC 20555-0001

Wise, Carter, Child & Caraway  
ATTN: J. Smith  
P.O. Box 651  
Jackson, MS 39205

Winston & Strawn  
ATTN: N.S. Reynolds  
1700 K Street, NW  
Washington, DC 20006-3817

Morgan, Lewis & Bockius LLP  
ATTN: T.C. Poindexter  
1111 Pennsylvania Avenue, NW  
Washington, DC 20004