



Entergy Operations, Inc.  
P.O. Box 756  
Port Gibson, MS 39150  
Tel 601 437 6408  
Fax 601 437 2795

October 18, 1996

Joseph J. Hagan  
Vice President  
Operations  
Grand Gulf Nuclear Station

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Mail Stop P1-37  
Washington, D.C. 20555

Subject: Grand Gulf Nuclear Station  
Docket No. 50-416  
License No. NPF-29  
Follow Up Response to Generic Letter 94-02, "Long-  
Term Solutions and Upgrade of Interim Operating  
Recommendations for Thermal Hydraulic Instabilities  
in Boiling Water Reactors" Commitment Revision

Reference: Letter C. R. Hutchinson to the U. S. Nuclear  
Regulatory Commission, dated September 7, 1994,  
"Response to Generic Letter 94-02".

GNRO-96/00086

Gentlemen:

Generic Letter (GL) 94-02, which was issued July 11, 1994 requested that licensees submit a plan describing the long-term stability solution option selected for their facility and the proposed implementation schedule for modification of plant protection systems to install the solution.

In our September 7, 1994 response to GL 94-02, GGNS committed to have the selected long-term stability solution (Enhanced Option I-A) installed and operational 6 months following startup from the 8th refueling outage (Expected installation by the 2nd quarter of 1997). The committed installation date accounts for receipt of the hardware and software applications consistent with a schedule which supports GGNS' testing of the solution's lead hardware prior to full implementation. This testing phase includes provisions for a planned plant shutdown and start up evolution to augment the collection and evaluation of operational data, followed by installation of the permanent long-term solution.

9610290280 961018  
PDR ADOCK 05000416  
PDR

961028

Our response went on to state that it was GGNS' objective to evaluate the stability solution generic Technical Specifications against the NRC's Final Policy Statement on Technical Specification improvements of July 16, 1993 and submit any identified changes for NRC approval by the last quarter of 1996.

Unanticipated delays in the design, development, and testing of the hardware and software required to support the solution concept, coupled with delays in the finalization of supporting analyses, have necessitated that GGNS revise its committed solution implementation date from 6 months following startup from the 8th refueling outage (2nd Quarter 1997) to 6 months following startup from the 9th refueling outage (4th Quarter 1998). We understand that the Staff is aware of the Enhanced Option I-A development schedule changes and additionally, this commitment revision has previously been discussed with GGNS' NRC project manager.

Consistent with our revised implementation schedule, any Technical Specification changes required are expected to be submitted for Staff approval by the 2nd quarter of 1998. As included in our September 7, 1994 response, this submittal schedule assumes a 6 month review period for issuance of the Staff's safety evaluation report.

The administrative provisions delineated in NRC Bulletin 88-07 Supplement 1 and applicable Interim Corrective Action (ICA) recommendations published by the BWR Owners Group will remain in place until the long term stability solution is implemented at GGNS. These administrative provisions provide confidence that power oscillations will be avoided or adequate guidance is available to detect and suppress oscillations should they occur.

October 18, 1996

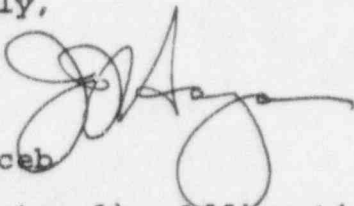
GNRO-96/00086

Page 3 of 5

As committed in our September 7, 1994 response and in accordance with Reporting Requirement 2 of GL 94-02, we will provide written confirmation to the Staff within 30 days following completion of the actions specified by the generic letter.

This information is being submitted under affirmation in accordance with 10 CFR 50.54(f) (Attachment 1). Should you have any questions or require additional clarification regarding this matter, please contact Charles E. Brooks at (601) 437-6555.

Your truly,



JJH/CEB:ceb

attachments: 1) Affirmation of the GGNS Response to Follow Up  
response to Generic Letter 94-pursuant to  
10CFR50.54(f)

cc: See Next Page

October 18, 1996

GNRO-96/00086

Page 4 of 5

cc: Mr. R. B. McGehee (w/a)  
Mr. N. S. Reynolds (w/a)  
Mr. J. E. Tedrow (w/a)  
Mr. H. L. Thomas (w/a)  
Mr. J. W. Yelvertson (w/a)

Mr. L. J. Callan (w/a)  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011

Mr. J. N. Donohew, Project Manager (w/2)  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop 13H3  
Washington, D. C. 20555

Mr. Mike May  
PECO Energy  
M/C 62A-5  
925 Chesterbrook  
Wayne, PA 19080

Attachment 1 to

GNRO-96/00086

Follow Up Response to

Generic Letter 94-02

"Long-Term Solutions and Upgrade of Interim Operating  
Recommendations for Thermal Hydraulic Instabilities in Boiling  
Water Reactors"

Affirmation Per 10CFR50.54(f)

BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

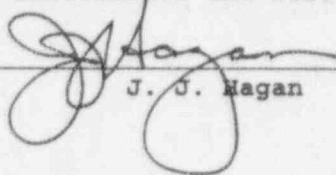
LICENSE NO. NPF-29

DOCKET NO. 50-416

IN THE MATTER OF  
MISSISSIPPI POWER & LIGHT COMPANY  
and  
SYSTEM ENERGY RESOURCES, INC.  
and  
SOUTH MISSISSIPPI ELECTRIC POWER ASSOCIATION  
and  
ENTERGY OPERATIONS, INC.

AFFIRMATION


I, J. J. Hagan, being duly sworn, state that I am Vice President, Operations GGNS of Entergy Operations, Inc.; that on behalf of Entergy Operations, Inc., System Energy Resources, Inc., and South Mississippi Electric Power Association, I am authorized by Entergy Operations, Inc. to sign and file with the Nuclear Regulatory Commission, this follow up response to Generic Letter (GL) 94-02 for Grand Gulf Nuclear Station; that I signed this follow up response to GL 94-02 as Vice President, Operations GGNS of Entergy Operations, Inc., and that the statements made and the matters set forth therein are true and correct to the best of my knowledge, information and belief.

  
J. J. Hagan

STATE OF MISSISSIPPI  
COUNTY OF CLAIBORNE

SUBSCRIBED AND SWORN TO before me, a Notary Public, in and for the County and State above named, this 18<sup>th</sup> day of September, 1996.

(SEAL)

  
Notary Public

MISSISSIPPI STATEWIDE NOTARY PUBLIC  
COMMISSION EXPIRES JAN. 27, 2000  
ORDERED THIS SPECIAL NOTARY SERVICE