



**Entergy  
Operations**

Entergy Operations, Inc.  
P.O. Box 756  
Port Gibson, MS 39150  
Tel 601-437-6498

December 11, 1990

**W. T. Cottle**  
Vice-President  
Operations  
Grand Gulf Nuclear Station

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Safety Assessment for Generic  
Letter 89-10, Supplement 3  
AECM-90/0217

The NRC issued Supplement 3 to Generic Letter 89-10, "Consideration of the Results of NRC-Sponsored Tests of Motor Operated Valves," to all licensees on October 25, 1990 (i.e., MAEC-90/0277). This supplement indicated that test data from the INEL Motor Operated Valve (MOV) testing program suggested that deficiencies may exist in MOVs in the RCIC, HPCI, RWCU and isolation condenser systems of BWR facilities. In order to determine if deficiencies did exist, each licensee was requested to perform a safety assessment of the isolation valves in the specified systems considering design, operating and maintenance factors presented in Supplement 3.

In response to Supplement 3, Entergy Operations, Inc. has completed a safety assessment for the RCIC and RWCU Systems at the Grand Gulf Nuclear Station. (Due to the Mark III, BWR/6 design, it was not necessary to include any discussion of a HPCI System or isolation condenser in this safety assessment.) The safety assessment concluded that the as-installed configurations of the RCIC and RWCU isolation valves are adequate. This conclusion is premised on the specified MOVs having a thrust capacity exceeding that predicted using INEL data or an evaluation which demonstrates that an MOV with less than predicted thrust capability does not represent a significant safety concern.

In accordance with Supplement 3, GGNS has also evaluated the thrust capability of MOVs in other systems and, for those systems reviewed, has identified no conditions detrimental to valve functionality.

As requested by Supplement 3, the subject safety assessment, Engineering Report GGNS-90-0033, is available onsite for Staff review.

9012140159 901211  
PDR ADOCK 05000416  
P PDC

A9012073/SNLICFLR - 1

A064

If you require additional information, please advise.

Yours truly,

*W F Cohen*

WTC/MR:mtc  
Attachment

cc: Mr. D. C. Hintz (w/a)  
Mr. R. B. McGehee (w/a)  
Mr. N. S. Reynolds (w/a)  
Mr. H. L. Thomas (w/o)  
Mr. J. Mathis (w/a)

Mr. Stewart D. Ebnetter (w/a)  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop 11D21  
Washington, D.C. 20555

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, W. T. Cottle, 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 Response to Generic Letter 89-10, Supplement 3; that I signed this letter 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.

W. T. Cottle  
W. T. Cottle

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 11<sup>th</sup> day of December, 1990.

(SEAL)

Elizabeth L. Laug  
Notary Public

My commission expires:

December 29, 1991