



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 16, 1994

Docket No. 50-416

Mr. C. Randy Hutchinson
Vice President, Operations GGNS
Entergy Operations, Inc.
Post Office Box 756
Port Gibson, Mississippi 39150

Dear Mr. Hutchinson:

SUBJECT: GENERIC LETTER 89-10, SUPPLEMENT 5, "INACCURACY OF MOTOR-OPERATED VALVE DIAGNOSTIC EQUIPMENT" (TAC NO. M87982)

On June 28, 1993, the NRC staff issued Supplement 5, "Inaccuracy of Motor-Operated Valve Diagnostic Equipment," to Generic Letter (GL) 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance," requesting nuclear power plant licensees and construction permit holders (1) to re-examine their motor-operated valve (MOV) programs and to identify measures taken to account for uncertainties in properly setting valve operating thrust to ensure operability, and (2) to evaluate the schedule necessary to consider the new information on MOV diagnostic equipment inaccuracy and to take appropriate action in response to that information. Within 90 days of receipt of Supplement 5 to GL 89-10, licensees were required (1) to notify the NRC staff of the diagnostic equipment used to confirm the proper size, or to establish settings, for safety-related MOVs, and (2) to report whether they had taken actions or planned to take actions (including schedule) to address the new information on the accuracy of MOV diagnostic equipment.

The staff has reviewed the responses, and has found that, for the most part, licensees and permit holders have been actively addressing the uncertainties regarding the accuracy of MOV diagnostic equipment. The increased inaccuracy of MOV diagnostic equipment can raise questions regarding (1) the adequacy of torque switch settings to provide sufficient thrust while not exceeding thrust or torque structural limits and (2) the capability of actuator motors at current settings. In their responses, licensees and permit holders indicated that many MOVs had the potential for underthrusting or overthrusting as a result of the higher than expected inaccuracy of MOV diagnostic equipment. Consequently, some licensees reported that MOVs have been retested, adjusted, or modified to resolve the concerns regarding the accuracy of MOV diagnostic equipment.

You responded to Supplement 5 by letter dated October 5, 1993, and stated that you use MOV diagnostic equipment manufactured by ITI-MOVATS and Liberty Technologies. You also stated that all MOVs setup using the ITI-MOVATS TMD had been evaluated in accordance with ITI-MOVATS Engineering Report 5.2. All of the MOVs had been found acceptable by analysis except two which were retested and determined acceptable. You stated that all MOVs setup using Liberty Technologies' VOTES equipment had been re-evaluated. You further

9402280197 940216
PDR ADDCK 05000416
P PDR

220065

NRC FILE CENTER COPY

DFE 1/0

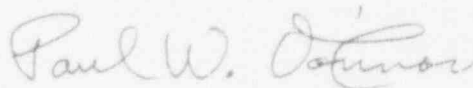
Mr. C. Randy Hutchinson

- 2 -

stated that 19 of those 32 MOVs had been found to have exceeded their maximum allowable thrust. You stated that all MOVs were determined to be operable, but some corrective actions were planned. In addition, you stated that your procedures had been revised and that it now use the VOTES 2.31 software. During a future inspection, the NRC staff will discuss the Entergy's resolution of the MOV diagnostic equipment accuracy issue. Particularly, the staff will discuss the your operability evaluation for the overthrust MOVs.

This completes all efforts on TAC No. M87982 with a completion date and implementation date as of the date of this letter. If you have any questions regarding this issue, please call me at (301) 504-1307.

Sincerely,



Paul W. O'Connor, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

stated that 19 of those 32 MOVs had been found to have exceeded their maximum allowable thrust. You stated that all MOVs were determined to be operable, but some corrective actions were planned. In addition, you stated that your procedures had been revised and that it now use the VOTES 2.31 software. During a future inspection, the NRC staff will discuss the Entergy's resolution of the MOV diagnostic equipment accuracy issue. Particularly, the staff will discuss the your operability evaluation for the overthrust MOVs.

This completes all efforts on TAC No. M87982 with a completion date and implementation date as of the date of this letter. If you have any questions regarding this issue, please call me at (301) 504-1307.

Sincerely,

ORIGINAL SIGNED BY:

Paul W. O'Connor, Senior Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

DISTRIBUTION

Docket File	NRC & Local PDRs	PD4-1 r/f
P. Noonan	E. Adensam	J. Roe
W. Beckner	P. O'Connor	L. Reyes, RII
ACRS(10)	OGC (15B18)	A. Hansen
T. Scarbrough		

OFC	LA:PD4-1	PM:PD4-1	D:PD4-1
NAME	PNoonan	PO'Connor	WBeckner
DATE	2/15/94	1 /94	2/16/94
COPY	YES/NO	YES/NO	YES/NO

OFFICIAL RECORD COPY Document Name: G87982.LTR

Mr. C. Randy Hutchinson
Entergy Operations, Inc.

Grand Gulf Nuclear Station

cc:

Mr. H. W. Keiser, Exec. Vice President
and Chief Operating Officer
Entergy Operations, Inc.
P. O. Box 31995
Jackson, Mississippi 39286-1995

Mr. D. L. Pace
GGNS General Manager
Entergy Operations, Inc.
P. O. Box 756
Port Gibson, Mississippi 39150

Robert B. McGehee, Esquire
Wise, Carter, Child & Caraway
P. O. Box 651
Jackson, Mississippi 39205

The Honorable William J. Guste, Jr.
Attorney General
Department of Justice
State of Louisiana
P. O. Box 94005
Baton Rouge, Louisiana 70804-9005

Nicholas S. Reynolds, Esquire
Winston & Strawn
1400 L Street, N.W. - 12th Floor
Washington, D.C. 20005-3502

Dr. F. E. Thompson, Jr.
State Health Officer
State Board of Health
P. O. Box 1700
Jackson, Mississippi 39205

Mr. Sam Mabry, Director
Division of Solid Waste Management
Mississippi Department of Natural
Resources
P. O. Box 10385
Jackson, Mississippi 39209

Office of the Governor
State of Mississippi
Jackson, Mississippi 39201

President,
Claiborne County Board of Supervisors
Port Gibson, Mississippi 39150

Mike Moore, Attorney General
Frank Spencer, Asst. Attorney General
State of Mississippi
Post Office Box 22947
Jackson, Mississippi 39225

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., Suite 2900
Atlanta, Georgia 30323

Mr. Jerrold G. Dewease
Vice President, Operations Support
Entergy Operations, Inc.
P.O. Box 31995
Jackson, Mississippi 39286-1995

Mr. W. W. Watson
Project Manager
Bechtel Power Corporation
P.O. Box 808, 4600 W. Main
Russellville, Arkansas 72801

Mr. Michael J. Meisner
Director, Nuclear Safety
and Regulatory Affairs
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150

Mr. K. G. Hess
Bechtel Power Corporation
P. O. Box 2166
Houston, Texas 77252-2166

Mr. Rudolph H. Bernhard
Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Route 2, Box 399
Port Gibson, Mississippi 39150