UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

May 13, 2008

James R. Douet, Vice President
of Operations
Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

SUBJECT: ASSESSMENT FOLLOWUP LETTER – GRAND GULF NUCLEAR STATION

Dear Mr. Douet:

On May 7, 2008, the NRC staff completed a quarterly review of Grand Gulf Nuclear Station. The assessment evaluated the performance indicators and inspection results for the first quarter of calendar year 2008. The purpose of this letter is to inform you of your safety performance during this period and our plans for a future inspection at your facility.

Overall, Grand Gulf operated in a manner that preserved the public's health and safety and fully met the cornerstone objectives. Plant performance for the most recent quarter of the assessment cycle was within the Regulatory Response Column of the NRC's Action Matrix based on the unplanned scrams per 7000 critical hours performance indicator crossing the threshold from Green to White. All inspection findings for the assessment period indicated performance at a level requiring no additional NRC oversight (Green).

On March 21, 2008, a reactor scram occurred when a current transformer relay sensed a suspected difference between the grid current and the output current from the main generator. This resulted in a protective main generator trip and subsequent reactor scram. As a result, we have assessed Grand Gulf Nuclear Station performance to be in the Regulatory Response column of the NRC's Action Matrix. Therefore we tentatively plan to conduct a supplemental inspection using Inspection Procedure 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area," during the week of June 9, 2008. This inspection procedure is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition and cause are identified, and the corrective actions are sufficient to prevent recurrence.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system (ADAMS). ADAMS is accessible from the NRC web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Please contact Richard W. Deese at 817-276-6573 with any questions you may have regarding this letter.

Sincerely,

/RA/

Dwight D. Chamberlain, Director
Division of Reactor Projects

Docket: 50-416
License: NPF-29

cc:
Senior Vice President
Entergy Nuclear Operations
P.O. Box 31995
Jackson, MS 39286-1995

Senior Vice President and COO
Entergy Operations, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Vice President, Oversight
Entergy Services, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Chief
Energy & Transportation Branch
Environmental Compliance and
Enforcement Division
Mississippi Department of
Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385

President
Claiborne County Board of Supervisors
P.O. Box 339
Port Gibson, MS 39150

Senior Manager
Nuclear Safety & Licensing
Entergy Services, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Manager, Licensing
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, LA 70804-9005

Office of the Governor
State of Mississippi
Jackson, MS 39201

Attorney General
Assistant Attorney General
State of Mississippi
P.O. Box 22947
Jackson, MS 39225-2947

State Health Officer
State Board of Health
P.O. Box 1700
Jackson, MS 39215

Associate General Counsel
Entergy Nuclear Operations
P.O. Box 31995
Jackson, MS 39286-1995

Richard Penrod, Senior Environmental
Scientist, State Liaison Officer
Office of Environmental Services
Northwestern State University
Russsell Hall, Room 201
Natchitoches, LA 71497

Lisa R. Hammond, Chief
Technological Hazards Branch
National Preparedness Division
FEMA Region VI
800 N. Loop 288
Denton, TX 76209

Conrad S. Burnside, Chief
Technological Hazards Branch
National Preparedness Division
DHS/FEMA
3003 Chamblee Tucker Road
Atlanta, GA 30341

Electronic distribution by RIV:
Regional Administrator (Elmo.Collins@nrc.gov)
DRP Director (Dwight.Chamberlain@nrc.gov)
DRP Deputy Director (Anton.Vegel@nrc.gov)
DRS Director (Roy.Caniano@nrc.gov)
DRS Deputy Director (Troy.Pruett@nrc.gov)
Senior Resident Inspector Rich.Smith@nrc.gov)
Branch Chief, DRP/C (Rick.Deese@nrc.gov)
Senior Project Engineer, DRP/C (Wayne.Walker@nrc.gov)
Team Leader, DRP/TSS (Chuck.Paulk@nrc.gov)
RITS Coordinator (Marisa.Herrera@nrc.gov)

Only inspection reports to the following:
DRS STA (Dale.Powers@nrc.gov)
J. Adams, OEDO RIV Coordinator (John.Adams@nrc.gov)
P. Lougheed, OEDO RIV Coordinator (Patricia.Lougheed@nrc.gov)
ROPreports
GG Site Secretary (Nancy.Spivey@nrc.gov))

SUNSI Review Completed: WCW ADAMS: ☒ Yes ☐ No Initials: WCW
☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☒ Non-Sensitive

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04/30/2008	05/12/2008	05/12/2008

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