



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

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April 9, 2007

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

SUBJECT: GRAND GULF NUCLEAR STATION - NRC MATERIAL CONTROL AND
ACCOUNTING PROGRAM INSPECTION REPORT 05000416/2007401

Dear Mr. Brian:

On February 8, 2007, the U.S. Nuclear Regulatory Commission (NRC) completed an onsite inspection of the material control and accounting (MC&A) safeguards program at your Grand Gulf Nuclear Station. The enclosed inspection report documents the inspection findings, which were discussed with Mr. M. Krupa, Acting General Manager, and members of your staff during a preliminary exit meeting on that date. A supplemental telephonic exit meeting was held with Mr. M. Krupa, on March 21, 2007, regarding the final results of the MC&A inspection.

The inspection examined activities conducted under your license as they relate to safety, security, and compliance with the Commission's rules and regulations and with the conditions of your license. The team reviewed selected procedures and records, observed storage of special nuclear material in the spent fuel pool, and interviewed personnel. Areas examined during the inspection included physical inventory and accounting records.

This report documents a NRC identified Severity Level IV violation of NRC requirements. Additionally, a licensee-identified Severity Level IV violation is listed in this report. However, because of the very low security significance and because they are entered into your corrective action program, the NRC is treating these violations as noncited violations consistent with Section VI.A of the Enforcement Policy. If you contest these violations, you should provide a response within 30 days of the date of this inspection report, with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington DC 20555-0001; with copies to the Regional Administrator, Region IV; the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, DC 20555-0001; and the NRC Resident Inspector at the Grand Gulf Nuclear Station.

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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related concerns contained in the enclosure, and in accordance with 10 CFR 2.390, this letter's enclosure will not be available for public inspection.

In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response, if any. This practice will ensure that your response will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system, ADAMS. If Safeguards Information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21. Otherwise, mark your entire response "Security-Related Information - Withhold Under 10 CFR 2.390" and follow the instructions for withholding in 10 CFR 2.390(b)(1).

Sincerely,

/RA/

Michael P. Shannon, Chief
Plant Support Branch
Division of Reactor Safety

Docket No.: 50-416
License No.: NPF-29

Nonpublic Enclosure:
MC&A Inspection Report 05000416/2007401
w/attachment: Supplemental Information

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cc w/enclosure:

Executive Vice President
and Chief Operating Officer
Entergy Operations, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

General Manager, Plant Operations
Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

Director
Nuclear Safety & Licensing
Entergy Operations, Inc.
1340 Echelon Parkway
Jackson, MS 39213-8298

Director, Nuclear Safety Assurance
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

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