



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

**REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064**

September 13, 1999

William A. Eaton, Vice President
Operations - Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150

SUBJECT: NRC INSPECTION REPORT NO. 50-416/99-15

Dear Mr. Eaton:

This refers to the inspection conducted on August 16-20, 1999, at the Grand Gulf Nuclear Station facility. The enclosed report presents the results of that inspection.

Areas examined during the inspection included portions of your physical security and access authorization programs. In general, we determined that these programs were properly implemented. Based on the results of this inspection, the NRC has determined that one Severity Level IV violation of NRC requirements occurred relating to the vehicle barrier system. The violation is being treated as a noncited violation (NCV), consistent with Appendix C of the Enforcement Policy. The NCV is described in the subject inspection report. If you contest the violation or severity level of the NCV, 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, U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, 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 facility.

The material enclosed herewith contains Safeguards Information as defined by 10 CFR Part 73.21 and its disclosure to unauthorized individuals is prohibited by Section 147 of the Atomic Energy Act of 1954, as amended. Therefore, the material will not be placed in the Public Document Room.

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

Entergy Operations, Inc.

-2-

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Original signed by
Gail M. Good, Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure:
NRC Inspection Report No.
50-416/99-15

cc without Report Details containing SAFEGUARDS INFORMATION:

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

Wise, Carter, Child & Caraway
P.O. Box 651
Jackson, Mississippi 39205

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

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

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

Entergy Operations, Inc.

-3-

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

President, District 1
Claiborne County Board of Supervisors
P.O. Box 339
Port Gibson, Mississippi 39150

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

The Honorable Richard Ieyoub
Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, Louisiana 70804-9005

Office of the Governor
State of Mississippi
Jackson, Mississippi 39201

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

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

Robert W. Goff, Program Director
Division of Radiological Health
Mississippi Dept. of Health
P.O. Box 1700
Jackson, MS 39215-1700

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

Entergy Operations, Inc.

-4-

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

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

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

Vice President, Operations
Grand Gulf Nuclear Station
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

DISTRIBUTION with copy of entire SAFEGUARDS report:

Elaine Koup, NRR/DIPM/IOLB\IRSS, (MS 012E-11)
 RIV Docket File
 Security Inspector (Earnest)
 Grand Gulf Senior Resident Inspector

DISTRIBUTION without SAFEGUARDS portion of the report:

E-Mail - T. Frye (TJF)
 E-Mail - D. J. Lange (DJL)
 E-Mail - NRR Event Tracking System (IPAS)
 E-Mail - Document Control Desk (DOCDESK):

DMB IE-04
 Regional Administrator
 DRS Director
 DRP Director
 Senior Resident Inspector (River Bend)
 Branch Chief (DRP\A - Grand Gulf)
 Project Engineer (DRP\A -Grand Gulf)
 Branch Chief (DRP\TSS)
 Branch Chief, DRS\PSB
 Ellen Poteat, OCFO\LFARB (MS TWFN 9310)
 RITS Coordinator
 RIV File
 DRS Action Item File (Hodges)(99-G-

DOCUMENT NAME: R:_GG\GG915RP.ABE.WPD

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:PSB	PSB	C:DRS\PSB	C:DRP\A	
*Peer Review	*ABEarnest:n h	*GMGood	*JITapia	
09/ /99	09/ /99	09/ /99	09/ /99	

*Previously concurred.

OFFICIAL RECORD COPY

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

ENCLOSURE

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

Docket No.: 50-416
License No.: NPF-29
Report No.: 50-416/99-15
Licensee: Entergy Operations, Inc.
Facility: Grand Gulf Nuclear Station
Location: Waterloo Road
Port Gibson, Mississippi
Dates: August 16-20, 1999
Inspector(s): A. Bruce Earnest, Physical Security Specialist
Plant Support Branch
Approved By: Gail M. Good, Chief
Plant Support Branch
Attachment: Supplemental Information

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**

EXECUTIVE SUMMARY

Grand Gulf Nuclear Station
NRC Inspection Report No. 50-416/99-15

This was an announced inspection of the licensee's physical security program. The areas inspected included: personnel access control, access authorization, protected area detection aids, assessment aids, compensatory measures, protected area physical barriers, records and reports, and security program audits.

Plant Support

- Vulnerabilities with the access control metal detectors and X-ray equipment were identified. The licensee's corrective action for the metal detectors was prompt and efficient. The licensee was studying means to reduce the X-ray equipment vulnerability (Section S1.1).
- The access authorization program was effectively implemented (Section S1.2).
- During tests of the perimeter detection system, one detection zone was defeated, and vulnerabilities in several other zones were identified. Overall, the detection system was adequate (Section S2.1).
- The assessment aids system provided adequate assessment of the perimeter detection zones (Section S2.2).
- The compensatory measures program met physical security plan requirements. The security officers were well trained on program requirements (Section S2.3).
- A violation was identified involving a section of the vehicle barrier system that did not conform to the requirements of Paragraph 4.2.7 of the physical security plan and 10 CFR 73.55 (c)(7). This Severity Level IV violation is being treated as a noncited violation consistent with Appendix C of the NRC Enforcement Policy. The degraded barrier system was entered into the corrective action system as CR-GGN-1999-902 (Section S2.4).
- A good records and reporting system was in place for reporting safeguards events (Section S3.1).
- Audits of the security, access authorization, and fitness-for-duty programs were effective, thorough, and intrusive (Section S7.1).

**DOCUMENT CONTAINS
SAFEGUARDS INFORMATION**

**ENCLOSURE(S) CONTAIN(S)
SAFEGUARDS INFORMATION
UPON SEPARATION THIS
PAGE IS DECONTROLLED**