



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

February 17, 2005

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

**SUBJECT: GRAND GULF NUCLEAR STATION - NOTIFICATION OF AN NRC TRIENNIAL
FIRE PROTECTION BASELINE INSPECTION 05000416/2005008**

Dear Mr. Williams:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC), Region IV staff will conduct a triennial fire protection baseline inspection at the Grand Gulf Nuclear Station in April and May of 2005. The inspection team will be comprised of reactor inspectors from the NRC Region IV office and a contractor. The inspection will be conducted in accordance with Inspection Procedure 71111.05, "Fire Protection," the NRC's baseline fire protection inspection procedure.

The schedule for the inspection is as follows:

- Information gathering visit: March 29 - 30, 2005
- Onsite inspection: April 11 - 15, 2005
May 9 - 13, 2005

Members of the inspection team will visit the Grand Gulf Nuclear Station on March 29 - 30, 2005, to gather information, select the fire areas to be reviewed, and identify documents needed to support the inspection, obtain unescorted access, and to become familiar with your fire protection program. Our contractor will not be available on March 29 and 30, so he will need to obtain unescorted access on April 11. The enclosure to this letter provides an initial list of the documents the team will want to review. The team leader will request that you transmit copies of some of the documents to the NRC Region IV office for team use in preparation for the inspection. We would appreciate it if you could send this information so that it will arrive in our office in Arlington, Texas, no later than noon on April 4, 2005.

We request that during the onsite inspection weeks, you ensure that copies of analyses, evaluations, or documentation regarding the implementation and maintenance of the fire protection program, including post-fire safe shutdown capability, be readily accessible to the team for their review. Of specific interest are those documents that establish that your fire protection program satisfies NRC regulatory requirements and conforms to applicable NRC and industry fire protection guidance. Also, appropriate personnel knowledgeable of: (1) those

plant systems required to achieve and maintain safe shutdown conditions from inside and outside the control room, (2) the electrical aspects of the post-fire safe shutdown analyses, (3) reactor plant fire protection systems, and (4) the fire protection program and its implementation should be available to support the team at the site during the inspection.

Your cooperation and support during this inspection will be appreciated. If you have questions concerning this inspection or the inspection team's information or logistical needs, please contact Neil O'Keefe at 817-860-8269.

Sincerely,

//RA//

Linda J. Smith, Chief
Plant Engineering Branch
Division of Reactor Safety

Enclosure: Triennial Fire Protection
Inspection Supporting Documentation

Docket: 50-416
License: NPF-29

cc w/enclosure:
Senior Vice President
and Chief Operating Officer
Entergy Operations, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

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

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

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

Entergy Operation, Inc.

-3-

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

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

The Honorable Charles C. Foti, Jr.
Attorney General
Department of Justice
State of Louisiana
P.O. Box 94005
Baton Rouge, LA 70804-9005

Governor Haley Barbour
Office of the Governor
State of Mississippi
Jackson, MS 39201

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

Dr. Brian W. Amy
State Health Officer
State Board of Health
P.O. Box 1700
Jackson, MS 39215

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

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

Entergy Operation, Inc.

-4-

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

Electronic distribution by RIV:
 Regional Administrator (**BSM1**)
 DRP Director (**ATH**)
 DRS Director (**DDC**)
 Senior Resident Inspector (**TLH4**)
 Branch Chief, DRP/A (**WDJ**)
 Senior Project Engineer, DRP/A (**TRF**)
 Staff Chief, DRP/TSS (**RLN1**)
 RITS Coordinator (**KEG**)
 DRS STA (**DAP**)
 OEDO RIV Coordinator (**JLD**)
 GG Site Secretary (**NAS2**)

ADAMS: SISP Review Complete Yes No Initials: _____
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive
 R:\GG\2005\GG2005-008-ltr-nfo.wpd

RIV: DRS/PEB/SRI	C: PEB			
NFO'Keefe	LJSmith			
/RA/	/RA/			
02/ 3 /2005	02/17/2005			

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

Triennial Fire Protection Inspection Supporting Documentation

1. The current version of your fire protection program and fire hazards analysis.
2. Post-fire safe shutdown analysis.
3. A listing of the fire protection program implementing procedures (e.g., administrative controls, maintenance, surveillance testing, fire brigade).
4. A listing of operating procedures used for achieving and maintaining hot and cold shutdown conditions from the control room in the event of a fire outside the control room.
5. A listing of operating procedures used to implement alternative shutdown capability with or without control room evacuation.
6. Pre-fire plans for the selected fire areas (to be determined by the team leader during the information-gathering trip).
7. A list of equipment used to achieve and maintain hot standby and cold shutdown in the event of a fire, and two copies of the piping and instrumentation (flow) diagrams for these systems.
8. Plant layout and equipment drawings for the selected fire areas that identify (a) the physical plant locations of major hot standby and cold shutdown equipment; (b) plant fire area and/or fire zone delineation; and (c) the locations of fire protection equipment, such as detection, suppression, and post-fire emergency lighting units.
9. Electrical schematics and cable raceway listings for circuits supplying power to components used to achieve and maintain hot standby and cold shutdown for fires outside the control room and those components used for those areas requiring alternative shutdown capability.
10. A listing of design change packages, which were determined to impact fire protection and post-fire safe shutdown, performed in the last 3 years.
11. A listing of Generic Letter 86-10 evaluations performed in the last 3 years.
12. Listing of open and closed fire protection Condition Reports initiated in the last 3 years which relate to the fire protection program or equipment.
13. Copies of the licensing basis documents for fire protection (Safety Evaluation Reports, pertinent sections of the Final Safety Analysis Report, exemptions, deviations, etc.).
14. A listing of applicable codes and standards related to the design of plant fire protection features and evaluations of any code deviations.

Enclosure

15. A copy of the most current PRA information relating to plant response to fires, if there is any which is more recent than the plant's individual plant examination external event report (IPEEE). Also, the results of any post-IPEEE reviews, and listings of actions taken or plant modifications conducted in response to IPEEE information.
16. Organization charts of site personnel down to the level of fire protection staff personnel.
17. Drawings showing the emergency lights which support fire response.
18. Procedures used to remove smoke from safety-related areas and the engineering studies or calculations which support the basis.
19. Drawings of communication systems credited fire firefighting and plant operations during fires where control room is occupied or evacuated.
20. Piping and instrumentation (flow) diagrams for the fire water and sprinkler systems.
21. Maintenance Rule performance criteria and 3 years worth of performance history for fire protection program systems or functions monitored within the Maintenance Rule program.
22. A copy of fire protection program requirements (e.g. limiting conditions for operation, surveillance test requirements) covered by Technical Specifications, Technical Requirements Manual, UFSAR, or similar documents.
23. A listing of surveillance, testing, and preventive maintenance procedures used for fire protection program equipment.