



ENTERGY

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July 24, 1992

U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Attention: Document Control Desk

Subject: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-29
Response to NRC Bulletin 92-01

GNRO-92/00095

Gentlemen:

This submittal provides the Grand Gulf Nuclear Station (GGNS) response to NRC Bulletin (NRCB) 92-01, "Failure of Thermo-Lag 330 Fire Barrier System to Maintain Cable in Wide Cable Trays and Small Conduits Free From Fire Damage". This Bulletin notified licensees of failures in fire endurance testing associated with the Thermo-Lag 330 fire barrier system that is used to protect safe shutdown capability. NRCB 92-01 requested licensees to take certain immediate actions and provide a written response within 30 days describing the actions taken and actions planned to resolve the concerns.

GGNS has identified the plant areas which have Thermo-Lag 330 installed and implemented the immediate compensatory actions specified in items 1 and 2 of the Bulletin. In response to item 3 of NRCB 92-01, GGNS is participating in the NUMARC efforts to coordinate an industry wide evaluation of Thermo-lag 330. Discussion of these actions is provided in Attachment 1.

As requested by NRCB 92-01, this information is being submitted under oath and affirmation in accordance with 10CFR50.54(f) (Attachment 2). Please contact this office should you have any questions, or need additional information regarding this matter.

Yours truly,

WTC/CEB/ams

attachments: 1) GGNS Response to NRC Bulletin 92-01
2) Oath and Affirmation per 10CFR50.54(f)

cc: (See Next Page)

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GGNS Response to NRC Bulletin 92-01

Grand Gulf Nuclear Station
Response to NRC Bulletin -01

Reporting Requirements applicable to holders of operating licenses
for nuclear power reactors

NRCB Item No. 1:

Plants that use either 1- or 3-hour pre-formed Thermo-Lag 330 panels and conduit shapes are requested to identify the areas of the plant which have Thermo-Lag 330 fire barrier material installed and determine the plant areas which use this material for protecting either small diameter conduit or wide cable trays (widths greater than 14 inches) that provide safe shutdown capability.

GGNS Response:

GGNS uses both 1 hour and 3 hour pre-formed Thermo-Lag 330 fire barrier material for protecting equipment required to achieve and maintain safe shutdown in the event of a fire. The areas applying Thermo-Lag 330 to protect small conduit and wide cable trays were identified using the following criteria: "Small diameter conduit" includes conduit 4 inches in diameter and smaller; "wide cable trays" include trays wider than 14 inches. Table 1 lists the specific areas identified. In addition, non-circuit/raceway applications outside the scope of NRCB 92-01 were identified and are listed in Table 1.

NRCB Item No. 2:

For plant areas in which Thermo-Lag fire barriers are used to protect wide cable trays, small conduits, or both, the licensee should implement, in accordance with plant procedures, the appropriate compensatory measures, such as fire watches, consistent with those which would be implemented by either the plant technical specifications or the operating license for an inoperable fire barrier.

GGNS Response:

As stipulated by the Bulletin, GGNS established compensatory measures consistent with the actions normally taken for inoperable fire barriers.

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GGNS Response:
(Continued)

Moving hourly fire watches were established per the GGNS fire protection program for areas listed in Table 1, both within and without the scope of NRCB 92-01.

NRCB Item No. 3:

Each licensee, within 30 days of receiving this bulletin, is required to provide a written notification stating whether it has or does not have Thermo-Lag 330 fire barrier systems installed in its facilities. Each licensee who has installed Thermo-Lag 330 installed fire barrier is required to inform the NRC in writing whether the actions in items 1 and 2 have been implemented and is required to describe the measures being taken to ensure or restore fire barrier operability.

GGNS Response:

This submittal satisfies the 30 day reporting requirement of NRC Bulletin 92-01. GGNS has Thermo-Lag 330 installed fire barrier systems within the scope of NRCB 92-01. Appropriate actions to resolve fire barrier concerns are being developed through an industry program being coordinated by NUMARC. This program will include establishment of a test database, development of guidance for applicability of tests, and coordination of additional testing as appropriate. We will apply the results of these efforts, when completed, to the Thermo-Lag 330 installations at GGNS.

Grand Gulf Nuclear Station
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Table 1

Areas using Thermo-Lag 330
to protect safe shutdown raceways

Criteria: Conduit with diameter of 4 inches or less,
Cable trays wider than 14 inches.

Fire Zone	Description
OC202	Unit 1 Division I Switchgear Area
OC214	Unit 2 Division I Switchgear Area
OC302	HVAC Equipment Room
OC308	Unit 1 Control Building Corridor
OC402	Unit 1 Lower Cable Spreading Room
OC702	Unit 1 Upper Cable Spreading Room
1A316	Motor Control Center
1A539	Cable Space

Non-Circuit/Raceway Applications of
Thermo-Lag 330 at GGNS

OC214	Unit 2 Division I Switchgear Area (Thermo-Lag 330 enhancement of fire barrier which separates Fire Zones OC217 and OC214).
OC303	HVAC Equipment Room (Thermo-Lag 330 enhancement of fire barrier which separates Fire Zones OC217 and OC303).

GGNS Response to NRC Bulletin 92-01

Oath and Affirmation for Response to NRC Bulletin 92-01

AFFIDAVIT

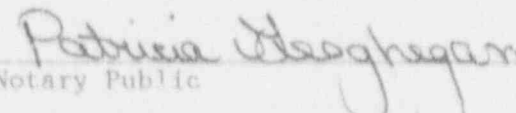
STATE OF MISSISSIPPI
COUNTY OF CLAIBORNE

C. R. Hutchinson states that he is General Manager, Plant Operations of Entergy Operations, Inc. (Grand Gulf Nuclear Station); that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission this response to NRC Bulletin No. 92-01 on behalf of the company and South Mississippi Electric Power Association; that he signed the foregoing letter as General Manager, Plant Operations of Entergy Operations, Inc. (Grand Gulf Nuclear Station); and that the statements made and matters set forth therein are true and accurate to the best of his knowledge, information and belief.


C. R. Hutchinson

SUBSCRIBED AND SWORN TO before me, a Notary Public, in and for the County and State above named, this 24 day of July, 1992.

(SEAL)


Notary Public

My commission expires:

My Commission Expires July 5, 1993