



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

GNRO-2011/00041

June 8, 2011

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD. 20852

Michael Perito
Site Vice President
Grand Gulf Nuclear Station
Tel. (601) 437-6409

Subject: Response to NRC Bulletin 2011-01, Mitigating Strategies
Entergy Nuclear Operations, Inc.
Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416
License NPF-29

Reference: NRC Bulletin 2011-01: Mitigating Strategies, dated May 11, 2011

Dear Sir or Madam:

On May 11, 2011, the NRC issued the referenced Bulletin 2011-01, and requested a written response within 30 days. Attached is Entergy's 30-day written response for Grand Gulf Nuclear Station.

In response to the events on September 11, 2001, and NRC requirements, Entergy developed preplanned strategies and implemented guidance to maintain or restore core cooling, containment, and spent fuel cooling capabilities under the circumstances associated with the loss of large areas of the plant due to fire or explosions. Following the events on March 11, 2011, at the Fukushima Daiichi Nuclear Power Station, Entergy took actions to ensure availability of these capabilities. The attached response reflects these actions.

There are no new commitments contained in this submittal.

If you need any additional information, please contact Christina L. Perino, Licensing Manager, at 601-437-6299.

I declare under penalty of perjury that the contents of this response are true and correct to the best of my knowledge and belief. Executed on this 8th day of June 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "MP/Perito".

MP/jas

Attachment: 30-Day Response to NRC Bulletin 2011-01
cc: (See Next Page)

cc: Mr. Elmo Collins Jr.
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

Mr. Richard Smith
NRC Senior Resident Inspector
Grand Gulf Nuclear Station
Port Gibson, MS 39150

U. S. Nuclear Regulatory Commission
ATTN: Mr. A. B. Wang, NRR/DORL
Mail Stop OWFN/8 B1
Washington, DC 20555-0001

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Attachment 1

30-Day Response to NRC Bulletin 2011-01

QUESTION 1

Is the equipment necessary to execute the mitigating strategies, as described in your submittals to the Nuclear Regulatory Commission (NRC), available and capable of performing its intended function?

RESPONSE

The strategies required by section B.5.b of the Interim Compensatory Measures Order EA-02-026 and implemented pursuant to a license condition were submitted to the NRC by references [1, 2, 3, and 4] and reviewed and approved by the NRC in reference [5].

Entergy assessed the status of equipment necessary to execute the mitigating strategies as identified in the referenced letters. Based upon the assessment, the equipment is available and capable of performing its intended function.

QUESTION 2

Are the guidance and strategies implemented capable of being executed considering the current configuration of your facility and current staffing and skill levels of the staff?

RESPONSE

Entergy assessed the capability to execute the mitigating strategies as identified in the referenced letters. Based upon the assessment, the guidance and strategies are capable of being executed considering the current configuration of facility, staffing and skill levels of the staff.

REFERENCES

1. Letter, M. Krupa to USNRC, Response to NRC Guidance Regarding Mitigation Strategies, GNRO-2005/00031, dated May 31, 2005
2. Letter, C. Bottemiller to USNRC, Response to NRC Request for Additional Information In Regard to February 2002, Order Section B.5.b for Grand Gulf Nuclear Station, GNRO-2005/00059, dated October 31, 2005
3. Letter, G. Williams to USNRC, Response to Report of Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures – Section B.5.b Temporary Instruction 2515/164; NRC Inspection Report 05000416/2005012, GNRO-2006/00011, dated February 27, 2006
4. Letter, E. Harris to USNRC, Response Providing Information Regarding Implementation Details for the Phase 2 and 3 Mitigating Strategies, GNRO-2007/0002, dated January 11, 2007
5. Letter, USNRC to W. Bryan, Conforming License Amendment to Incorporate the Mitigation Strategies Required By Section B.5.b of Commission Order EA-02-026 (TAC NO. MD4536) dated July 18, 2007