December 22, 2008

Mr. Thomas L. Williamson
Manager, GGNS COLA Project
Entergy Nuclear
1340 Echelon Parkway
Jackson, MS 39213

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 29 RELATED TO SRP SECTION 3.7.2 FOR THE GRAND GULF COMBINED LICENSE APPLICATION

Dear Mr. Williamson:

By letter dated February 27, 2008, Entergy Operations Incorporated (EOI) submitted for approval a combined license application pursuant to 10 CFR Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter. To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, I can be reached at 301-415-2890 or by e-mail at Andrea.Johnson@nrc.gov.

Sincerely,

/RA/

Andrea M. Johnson, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket No. 052-0024

Enclosure:
Request for Additional Information

December 22, 2008

Mr. Thomas L. Williamson
Manager, GGNS COLA Project
Entergy Nuclear
1340 Echelon Parkway
Jackson, MS 39213

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Sincerely,
/RA/
Andrea M. Johnson, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket No. 052-0024
Enclosure:
Request for Additional Information
Distribution:
PUBLIC
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JWilson, NRO
DJeng, NRO
SSamaddar, NRO
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ADAMS Accession No. ML083570307 NRO-002

OFFICE	SEB2/TR	SEB2/BC	NGE1/PM	OGC	NGE1/L-PM
NAME	DJeng	SSamaddar	AJohnson	MCarpentier	AJohnson
DATE	12/09/08	12/09/08	12/09/08	12/17/08	12/17/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Grand Gulf, Unit 3 COLA
Entergy Operations, Inc.
Docket No. 52-024
SRP Section: 03.07.02 - Seismic System Analysis
Application Section: SRP 3.7.2

QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

03.07.02-1

FSAR Section 3.7.2.8, Interaction of Non-Category I Structures with Seismic Category I Structures, incorporates by reference the ESBWR DCD with supplement GGNS SUP 3.7-5. GGNS SUP 3.7-5 references Figure 1.1-201 for the locations of structures. Staff review identified that neither Section 3.7.2.8 nor Figure 1.1-201 include all the information identified in Regulatory Guide 1.206 (C.I.3.7.2.8) to verify protection of seismic Category I structures from failure of non-Category I structures as a result of seismic effects. Please provide identification and locations of each Category I, II, and nonseismic structures, including the distance between structures and the height of each structure.

Enclosure