

October 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. 16 RELATED TO  
SRP SECTION 14.2 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 301-415-2375 or by e-mail at [Leslie.Perkins@nrc.gov](mailto:Leslie.Perkins@nrc.gov).

Sincerely,

**/RA/**

Leslie Perkins, Project Manager  
ESBWR/ABWR Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 052-0024  
eRAI Tracking No. 1335

Enclosure:  
Request for Additional Information

October 22, 2008

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

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SRP SECTION 14.2 FOR THE GRAND GULF COMBINED LICENSE  
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Sincerely,  
**/RA/**  
Leslie Perkins, Project Manager  
ESBWR/ABWR Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 052-0024  
eRAI Tracking No. 1035  
Enclosure:  
Request for Additional Information  
Distribution:  
PUBLIC  
BSosa, NRO  
MTonacci, NRO  
BAbeywickrama, NRO  
LPerkins, NRO  
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YDiaz-Castillo, NRO  
JNakoski, NRO  
MCarpentier, OGC  
SBrock, OGC  
NRO\_DNRL\_NGE2  
NRO\_DNRL\_NGE1

ADAMS Accession No.: ML082950428

NRO-002

OFFICE	CQVB/TR	CVQB/BC	OGC	NGE2/L-PM
NAME	YDiaz-Castillo	JNakoski	MCarpentier	MTonacci
DATE	09/25/08	09/29/08	10/16/08	10/22/08

\*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: 14.02 - Initial Plant Test Program - Design Certification and New License Applicants  
Application Section: 14.2

QUESTION

14.02-4

Regulatory Guide 1.68, Section C.1, "Criteria for Selection of Plant Features to be Tested," provides the criteria for selection of plant features to be tested during the initial test program (ITP). FSAR Section 14.2.9, "Site Specific Preoperational and Startup Tests," contains the site-specific ITP testing that may be required for systems, structures, and components (SSCs) outside of the ESBWR design certification. The list of test abstracts includes the following systems: Station Service Water Preoperational Test, Cooling Tower Preoperational Test, Personnel Monitors and Radiation Survey Instruments Preoperational Test, Electrical Switchyard System Preoperational Test, and Cooling Tower Performance Test. Please confirm that there are no additional site-specific SSCs and/or design features that meet the criteria RG 1.68 Section C.1. If additional testing is identified, please add such testing to FSAR Section 14.2.