

September 16, 2008

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 04 RELATED TO  
THE SRP SECTION 13.01.02-13.01.03 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 301-415-5787 or by e-mail at [Rocky.Foster@nrc.gov](mailto:Rocky.Foster@nrc.gov).

Sincerely,

**/RA/**

Rocky D. Foster, Project Manager  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 052-0024  
eRAI Tracking No. 1189

Enclosure:  
Request for Additional Information

September 16, 2008

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 04 RELATED TO  
THE SRP SECTION 13.01.02-13.01.03 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.

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Sincerely,  
**/RA/**  
Rocky D. Foster, Project Manager  
ESBWR/ABWR Projects Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 052-0024  
eRAI Tracking No. 1189  
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Enclosure:  
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\*Approval captured electronically in the electronic RAI system.

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Grand Gulf, Unit 3 COLA  
Entergy Operations, Inc.  
Docket No. 52-024  
SRP Section: 13.01.02-13.01.03 - Operating Organization  
Application Section: 13.01.02

QUESTIONS

13.01.02-13.01.03-1

Relative to the criteria of RG 1.189, please clarify and describe the responsibilities of the fire protection organization as it pertains to the fire brigade, operations functional manager, quality assurance functional manager, security functional manager, fire protection site engineer (identified in DCD Rev. 4), fire protection supervisor, and engineering manager, and site executive, or justify an alternative approach. Note that RG 1.189 does not require that the fire protection staff member who manages the fire brigade and the fire brigade member who fights the fire be part of the same organization, but they should meet the attributes of RG 1.189. In addition, the manager with direct fire protection program responsibilities should report to an upper level manager who has an oversight responsibility for the fire protection program. This upper level manager should report to a person who has management control over all organizations involved in fire protection activities. The applicant is also asked to ensure Figure 13.1-201; FSAR Sections 13.1.2.1.2.12, 13.1.2.1.2.3, and 13.1.2.1.2.2 are consistent with each other.

13.01.02-13.01.03-2

RG 1.206, C.III.1, Chapter 9, Section C.I.9.5.1.1 identifies that the applicant should provide information on the fire protection operational program. RG 1.189, Section 1.6.4.1 states that the brigade leader should be competent to assess the potential safety consequences of a fire and advise control room personnel and such competence by the brigade leader may be evidenced by possession of an operator's license or equivalent knowledge of plant systems. The staff requests that the applicant provide clarification of the specific training, knowledge and competence of the fire brigade leader, as discussed in Section 13.1.2.1.5, to ensure that the fire brigade leader's qualifications are in conformance with RG 1.189, Section 1.6.4.1, or justify an alternative approach.

13.01.02-13.01.03-3

Acceptance Criteria: RG 1.189 Position 1.1, 1.6, and 3.5.1. NFPA 600. Grand Gulf's FSAR Section 13.1.2.1.5 states that "the fire brigade responds to fire emergencies in both Unit 1 [existing unit] and Unit 3 [new unit]". Units 1 and 3 are meant to be separate units with no sharing of buildings or systems. The applicant is asked to provide further information justifying the appropriateness of using one fire brigade shift to cover both units. Include justification on staff manning, organization, training on diverse units, which equipment will be shared and which will be co-located, performance-criteria for responding to fires in each unit, and what happens if there is a fire in both units at the same time. NFPA 600 should be added to the FSAR Table 1.9-204.

13.01.02-13.01.03-4

RG 1.189, Regulatory Position 1.6.1 states that the engineer in charge of the fire protection program (FPP) should have training and experience in fire protection and in nuclear plant safety to provide a comprehensive approach in directing the FPP for the nuclear plant. The applicant is asked to include this requirement in FSAR Section 13.1.2.1.2.12 or justify why the fire protection engineer is not required to have nuclear safety knowledge, training, and/or experience.