

July 17, 2009

Mr. Scott Head, Manager
Regulatory Affairs
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 156 RELATED TO
SRP SECTION 01.10 FOR THE SOUTH TEXAS PROJECT COMBINED
LICENSE APPLICATION

Dear Mr. Head

By letter dated September 20, 2007, STP Nuclear Operating Company (STP) 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.

S. Head

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If you have any questions or comments concerning this matter, I can be reached at 301-415-6197 or by e-mail at Tekia.Govan@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2946

Enclosure:
Request for Additional Information

S. Head

-2-

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Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

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NRO-002

OFFICE	RHEB/TR	RHEB/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	HAhn	HJones	TGovan	SBrock	GWunder
DATE	05/26/2009	06/01/2009	07/17/09	06/12/2009	07/17/2009

***Approval captured electronically in the electronic RAI system.**

OFFICIAL RECORD COPY

Request for Additional Information No. 2946 Revision 2

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 01 - Introduction and Interfaces
Application Section: FSAR 1.10**

QUESTIONS for Hydrologic Engineering Branch (RHEB)

01-12

10 CFR 52.79(a)(31) requires that the COL applicant needs to evaluate the potential effects of construction activities of the proposed units on the safe operation of the existing units. The staff expects that the construction activities and the facilities of the proposed Units 3 and 4 could restrict the pathway of the MCR breach flood at the existing units and result in exacerbating the flooding level at units 1 and 2. However, the increasing of flood level and its consequence are not addressed in the FSAR Section 1.10. Therefore, the applicant should provide sufficient information to prove that there is no potential in increasing the flood level at the existing units. Or otherwise, the applicant should (1) include the increase of flood level in existing units as one of the potential construction hazards and (2) provide either managerial and administrative controls to protect from the potential flood hazard or evidence that the existing units 1 and 2 have already proper flood mitigation measures to cope with the increase of flood potential.