

August 28, 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. 218 RELATED TO
SRP SECTION 05.02 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. 3055

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

S. Head

-2-

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DATE	07/01/2009	07/02/2009	07/21/2009	08/17/2009	08/28/2009

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

OFFICIAL RECORD COPY

Request for Additional Information No. 3055 Revision 02

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013**

**SRP Section: 05.02.04 - Reactor Coolant Pressure Boundary Inservice Inspection and
Testing
Application Section: 5.2.4**

QUESTIONS for Component Integrity, Performance, and Testing Branch 2 (ESBWR/ABWR Projects) (CIB2)

05.02.04-4

The staff approved the PSI/ISI program for only the reactor pressure vessel (RPV) at the design certification stage. Class 1, 2 and 3 components are subject to NRC review and approval. The ABWR DCD, Section 5.2.4.2.2 states that welds are located to permit ultrasonic examination from at least one side, but where component geometries permit, access from both sides is provided. In the area of one sided access, the staff could not determine if the ultrasonic procedures used on single sided ferritic vessel and piping and stainless steel piping would meet the qualification requirements of 10 CFR 50.55a(b)(2)(xvi). It is the staff's expectation that the PSI/ISI operational program enable the performance of ISI examinations in accordance with 10 CFR 50.55a(g)(3). Please state whether these requirements will be met in the STP 3 & 4 COL FSAR PSI/ISI operational program in order to supplement the ABWR DCD section that addresses accessibility.

Enclosure