

May 21, 2008

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 47 RELATED TO
THE SRP SECTION 09.03.03 FOR THE SOUTH TEXAS COMBINED LICENSE
APPLICATION

Dear Mr. Gibson:

By letter dated September 20, 2007, STP Nuclear Operating Company (STPNOC) 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 45 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.

Mr. Gregory Gibson

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

Sincerely,

/RA/

George F. Wunder, Senior Project Manager
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No. 102

Enclosure:
Request for Additional Information

cc: William Mookhoek

Mr. Gregory Gibson

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

Sincerely,

/RA/

George F. Wunder, Senior Project Manager
ESBWR/ABWR Projects Branch 2
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Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No. 102

Enclosure:
Request for Additional Information

cc: William Mookhoek

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NRO-002

OFFICE	SBPA/TR	SBPA/BC	OGC	NGE1/L-PM
NAME	JHernandez	PWilson	SBrock	GWunder
DATE	04/02/08	04/03/08	04/17/08	05/21/08

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information
South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket Nos. 52-012 and 52-013
SRP Section: 09.03.03 - Equipment and Floor Drainage System
Application Section: 9.3.3

QUESTIONS

09.03.03-3

ABWR DCD COL Item 9.15, "Radioactive Drain Transfer Systems" states that the COL applicant will provide piping and instrumentation diagrams(P&ID) for the radioactive drainage system. COLA FSAR Section 9.3.3.2, "Non Radioactive Drains (Interface Requirements)" indicates that this section addresses COL license Information Item 9.15. However, COL information Item 9.15 only refers to the radioactive drainage system and does not require (nor the staff found in the FSAR) additional P&IDs regarding the non-radioactive drainage system. Please, revise the FSAR to remove the reference to COL Item 9.15 for the non-radioactive drainage system.

09.03.03-4

ABWR DCD Section 9.3.3.2.5, "Instrumentation (Interface Requirement)," states that provisions for obtaining water samples from the non-radioactive drain system and a sampling analysis program shall be provided to show that radioactive liquids are not being discharged from the non radioactive drain system. A conceptual drawing of this system is provided in COLA FSAR Figure 9.3-12. However, the staff could only verify radiation monitoring. FSAR Section 9.3.3.2.3 states that means are provided to perform any required tests or analyses required by the discharge permit. However, the provisions for obtaining samples are not specifically discussed in the FSAR or shown in Figure 9.3-12. Please, address the instrumentation interface requirements by describing in more detail the sampling and analysis program and the sampling design provisions for the non-radioactive drainage system.