

May 12, 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. 43 RELATED TO
THE SRP SECTION 11.04 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

-2-

If you have any questions or comments concerning this matter, you may contact me at 301-415-1146 or Raj.Anand@nrc.gov, or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Raj Anand, 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. 202

Enclosure:
Request for Additional Information

cc: William Mookhoek

Mr. Gregory Gibson

-2-

If you have any questions or comments concerning this matter, you may contact me at 301-415-1146 or Raj.Anand@nrc.gov, or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Raj Anand, 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. 202

Enclosure:
Request for Additional Information

cc: William Mookhoek

Distribution:
PUBLIC
NGE 1/2 R/F
GWunder, NRO
JWilson, NRO
SBrock, OGC
RidsNroDsraSbpb
RidsNroDnrlNge2

ADAMS Accession No. ML081350146

NRO-002

OFFICE	SBPB/TR	SBPB/BC	NGE2/PM	OGC	NGE1/L-PM
NAME	JWilson*	PWilson*	RAnand*	SBrock*	GWunder*
DATE	5/05/08	5/06/08	5/08/08	5/07/08	5/08/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

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: 11.04 - Solid Waste Management System
Application Section: 11.4

QUESTIONS

11.04-1

STD DEP 11.4-1, "Radioactive Solid Waste Update," completely replaces the approved solid waste management system design as approved in the ABWR DCD. The change describes including deleting equipment, adding tanks, and using modular equipment. Section 3 of the Departures Report indicates that this departure has been evaluated and determined to comply with the requirements of 10 CFR 52, Appendix A, Section VIII.B.5. However, because the DCD was completely replaced and the system redesigned, the staff has not been able to find enough information to determine the acceptability of the applicant's evaluation per the requirements in 10 CFR 52, Appendix A, Section VIII.B.5. Provide this evaluation to confirm that the requirements in 10 CFR 52, Appendix A, Section VIII.B.5 have been satisfied.

11.04-2

STP Section 13.4S "Operational Program Implementation," states that "Descriptions of these operational programs, consistent with the definition of "fully described" in the Staff Requirements Memorandum for SECY-05-0197, are provided in the FSAR sections noted in Table 13.4S-1." On Table 13.4S-1, the Process Control Program (PCP) references application Section 11.4 as the section where this program is "fully described." Please justify how the description contained in Section 11.4 is consistent with the definition of "fully described" or provide additional detail regarding the PCP.