

Augusts 6, 2009

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 195 RELATED TO  
THE SRP SECTION 11.4 FOR THE SOUTH TEXAS COMBINED LICENSE  
APPLICATION

Dear Mr. Head:

By letter dated September 20, 2007, South Texas Project 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 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.

Mr. Scott Head

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If you have any questions or comments concerning this matter, you may contact me at 301-415-1146 or [Raj.Anand@nrc.gov](mailto:Raj.Anand@nrc.gov), or you may contact George Wunder at 301-415-1494 or [George.wunder@nrc.gov](mailto: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: 3172

Enclosure:  
Request for Additional Information

cc: William Mookhoek

Mr. Scott Head

-2-

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Enclosure:  
Request for Additional Information

cc: William Mookhoek

Distribution:  
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NGE 1/2 R/F  
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RidsNroDnrINge2

**ADAMS Accession No. ML092180589**

**NRO-002**

OFFICE	CHPB/TR	CHPB/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	SWilliams*	TFrye*	RAnand*	SBrock*	GWunder*
DATE	6/23/09	6/19/09	8/6/09	6/22/09	7/23/09

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 3172**

**South Texas Project Units 3 and 4  
South Texas Project Nuclear Operating Co  
Docket No. 52-012 and 52-013  
SRP Section: 11.04 - Solid Waste Management System  
Application Section: 11.4**

QUESTIONS for Health Physics Branch (CHPB)

**11.04-4**

STP 3 and 4 COL FSAR Section 11.4.3, Plant Specific Solid Radwaste Information, Item (2), states "The wet waste solidification process and the spent resin and sludge dewatering process will result in products that comply with 10 CFR 61.56 for STP 3 and 4 as provided in Radioactive Waste Process Control Program (PCP). The PCP utilized by Units 1 and 2 is provided with the COL application and the latest revision will be provided as per the schedule in Table 13.4S-1."

FSAR Section 11.4.3, Item (3) states, "Establishment and implementation of a process control program (PCP) for the dewatering processing of the spent resins and filter sludges for STP 3 and 4 is provided in Radioactive Waste Process Control Program (PCP). The PCP utilized by Units 1 and 2 is provided with the COL application and the latest revision will be provided as per the schedule in Table 13.4S-1."

Therefore, the PCP will be common to all four units on site. In keeping with the policy of utilizing a site PCP, please answer the following:

- 1) Verify that STP has reviewed Nuclear Energy Institute (NEI) document NEI 07-10A, "Generic FSAR Template Guidance for Process Control Program (PCP)" for applicability and possible incorporation into the STP 3 & 4 COL.
- 2) NEI 07-10A "identifies the administrative and operational controls for waste processing, process parameters, and surveillance requirements which assure that the final waste product meets the requirements of applicable Federal, State and Disposal Site waste form requirements for burial at a 10 CFR 61 licensed Low Level Waste (LLW) disposal site." If STP has reviewed NEI 07-10A and determined that it will not be incorporated into the FSAR, modify all applicable FSAR Sections to fully describe all elements of the PCP program, or justify an alternative. Otherwise, reference NEI 07-10A in the STP FSAR.

Enclosure