

April 1, 2010

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. 396 RELATED TO  
THE SRP SECTION 11.2 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.

S. 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: 4448

Enclosure:  
Request for Additional Information

cc: William Mookhoek

S. Head

-2-

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Enclosure:  
Request for Additional Information

cc: William Mookhoek

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**NRO-002**

OFFICE	CHPB/TR	CHPB/BC	NGE2/PM	NGE2/L-PM
NAME	SWilliams*	ERoach*	RAnand*	GWunder*
DATE	03/09/2010	03/11/2010	03/23/2010	03/23/2010

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

Request for Additional Information No. 4448

South Texas Project Units 3 and 4  
STPNOC  
Docket No. 52-012 and 52-013  
SRP Section: 11.02 - Liquid Waste Management System  
Application Section: 11.2

QUESTIONS for Health Physics Branch (CHPB)

11.02-10

DCD COL License Information Item 11.1, item 1 states that the applicant shall provide “Compliance with Appendix I to 10 CFR 50 and the guidance given in ANSI N13.1, “Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities”, Regulatory Guide (RG) 1.21 “Measuring and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants,” and RG 4.15, “Quality Assurance for Radiological Monitoring Programs (Normal Operation)—Effluent Streams and the Environment,””

The applicant states in Section 11.2.5 the commitment to Appendix I to 10 CFR 50, and refers to section 12.2.2.4 which describes how the compliance will be accomplished for liquid and gaseous effluents.

There is no commitment to Regulatory Guide 4.15, revision 1 or revision 2 in FSAR Chapter 11, or 12.2 per the COL License Information Item 11.1. Chapter 1.9 or 1.9S does not list Regulatory 4.15 as a Regulatory Guide utilized for compliance.

Reference to and use of this Regulatory Guide needs to be added to the FSAR appropriately in accordance with the COL License Information Item 11.1.

Enclosure