

July 16, 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. 352 RELATED TO  
AIA 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

-2-

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: 4765

Enclosure:  
Request for Additional Information

cc: William Mookhoek

Mr. Scott Head

-2-

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: 4765

Enclosure:  
Request for Additional Information

cc: William Mookhoek

Distribution:  
PUBLIC  
NGE 1/2 R/F  
GWunder, NRO  
RAnand, NRO  
SKirkwood, OGC  
RidsNroDcipChpb  
RidsNroDnrlNge2

**ADAMS Accession No. ML101970363 NRO-002**

OFFICE	NGE2/PM	NGE2/L-PM
NAME	RAnand*	GWunder*
DATE	7/16/10	6/2/10

\*Approval captured electronically in the electronic RAI system.  
**OFFICIAL RECORD COPY**

**Request for Additional Information No. 4765**

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

QUESTIONS for ESBWR/ABWR Projects 2 (NGE2)

**01-18**

*The ABWR DCR is being amended by STPNOC to implement 10CFR50.150, "Aircraft Impact Assessment". The application for this amendment, which is currently under review, includes design changes to existing SSCs and description of key design features in Revision 4 of the ABWR Design Control Document that are necessary to mitigate the consequences of an aircraft impact. Since the STP Units 3&4 COL FSAR is expected to be revised and will be submitted to the NRC in September, 2010, please provide information on the following:*

- 1. Please advise if Revision 4 to the STP Units 3&4 COL application will include aircraft impact assessment described in the ABWR DCR amendment application. Please reference any site specific design changes to address the aircraft impact assessment.*
- 2. The current STP Units 3&4 application has multiple Tier 1 and Tier 2 departures, please advise if any of the key design features in the amendment are affected by these departures, and confirm that these key design features credited in the application are still valid in aircraft impact assessment.*
- 3. Explain how the Tier 1 and Tier 2 departures in the COL application may affect or be affected by the design changes proposed in the ABWR DCD. In addition, what revisions are expected in Part 7, Departure Report, in the STP Units 3&4 COL application resulting from the ABWR DCR amendment. In addition, please advise if Revision 4 of the COL application will have additional departures to implement the aircraft impact assessment.*

Enclosure