

March 12, 2010

Mark A. McBurnett, Vice-President  
Oversight and Regulatory Affairs  
South Texas Project Units 3 and 4  
P.O. Box 289  
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: SOUTH TEXAS PROJECT  
NUCLEAR OPERATING COMPANY TOPICAL REPORT (TR) WCAP-17116-P  
REVISION 0, SUPPLEMENT 5 – APPLICATION TO THE ADVANCED BOILING  
WATER REACTOR (TAC NO. RG0007)

Dear Mr. McBurnett:

By letter dated September 30, 2009 (Agencywide Documents Access and Management System Accession No. ML092810245) the South Texas Project Units 3 and 4, submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report WCAP-17116-P Revision 0, “Supplement 5 – Application to the Advanced Boiling Water Reactor.”

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 you have any questions or comments concerning this matter, I can be reached at 301-415-6197 or by e-mail at [Tekia.Govan@nrc.gov](mailto:Tekia.Govan@nrc.gov).

Sincerely,

**/RA/**

Tekia V. Govan, Project Manager  
ABWR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. PROJ0772  
eRAI Tracking No. 4305

Enclosure: Request for Additional Information

cc: William Mookhoek  
Richard Bense

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**ADAMS Accession No. ML100710322** NRO-002

OFFICE	SRSB	SRSB	NGE2/PM
NAME	JDorn	JDonoghue	TGovan
DATE	1/25/2010	1/26/2010	3/12/2010

**\*Approval captured electronically in the electronic RAI system.**

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 4305 Revision 0**

**ABWR South Texas Topical Reports  
South Texas Project Nuclear Operating Co  
Docket No. PROJ0772**

**SRP Section: 15.06.05 - Loss of Coolant Accidents Resulting From Spectrum of  
Postulated Piping Breaks Within the Reactor Coolant Pressure Boundary  
Application Section: N/A**

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

**15.06.05-1**

Please submit documents RPB 90-93-P-A ("Boiling Water Reactor Emergency Core Cooling System Evaluation Model: Code Description and Qualification", October 1991) and RPB 90-94-P-A ("Boiling Water Reactor Emergency Core Cooling System Evaluation Model: Code Sensitivity," October 1991.). These documents are necessary to complete the review of WCAP-17116.

Enclosure