August 10, 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. 206 RELATED TO THE SRP SECTION 11.5 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.

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: 2702

Enclosure:
Request for Additional Information

cc: William Mookhoek

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
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Enclosure:
Request for Additional Information

cc: William Mookhoek

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DATE	5/20/09	5/20/09	8/10/09	5/06/09	5/06/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2702

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 11.05 - Process and Effluent Radiological Monitoring Instrumentation and Sampling Systems
Application Section: 11.5.3.4

QUESTIONS for Instrumentation, Controls and Electrical Engineering 2 (ESBWR/ABWR Projects) (ICE2)

11.05-2

COLA Part 7:Departures Report, Chapter 3.0, STD DEP 7.1-1, "References to Setpoints and Allowable Values," states in part that the setpoints for high radiation levels are in accordance with the Offsite Dose Calculation Manual (ODCM). In Part 2: FSAR Tier 2, Section 11.5.1.2.2, "Radiation Monitors Required for Plant Operation," (Departure STD DEP 7.1-1) the reference to Technical Specifications is replaced with reference to the ODCM as a basis for operation limits (setpoints) for radiation monitors. However, in Section 11.5.3.4, "Setpoints", it is stated that the trip setpoints are, "based on calculations developed in accordance with controlled plant procedures." Also, the FSAR Section 11.5 identifies STD DEP 7.1-1 as applying to Table 11.5-1. In Table 11.5-1, "Process and Effluent Radiation Monitoring Systems," under the column "ACF Trip" reference is made to, "Based on setpoint calculations" without a specific reference to the ODCM. Clarify and correct these apparent discrepancies.

Enclosure