August 17, 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. 193 RELATED TO THE SRP SECTION 11.3 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: 3280

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,

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Enclosure:
Request for Additional Information

cc: William Mookhoek

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DATE	7/6/09	7/7/09	8/17/09	8/14/09	8/4/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 3280

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 11.03 - Gaseous Waste Management System
Application Section: FSAR Section 11.3

QUESTIONS for Health Physics Branch (CHPB)

11.03-6

STP responses to RAI 02.03.05-8 and RAI 02.03.04-5 indicate changes to the X/Q and D/Q dispersion factors. These factors are used in calculating the gaseous effluent doses to the MEI and the gaseous effluent doses for normal gaseous releases. FSAR section 12.2.3.1 states, "Using site-specific parameters, the average annual liquid releases and the average annual airborne releases to the environment have been computed and are shown in Tables 12.2-20 through 12.2-23."

The applicant is requested to address and resolve the following: Since these dispersion factors have changed as indicated in RAI 02.03.05-8 & RAI 02.03.04-5, have the related gaseous effluent doses in Tables 12.2-20 through 12.2-23 been re-evaluated?

Enclosure