June 24, 2009

Mr. Scott Head, Manager
Regulatory Affairs
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: **REVISED** - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 128 RELATED TO SRP SECTION 14.3 FOR THE SOUTH TEXAS PROJECT COMBINED LICENSE APPLICATION

Dear Mr. Head

By letter dated September 20, 2007, STP Nuclear Operating Company (STP) 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, I can be reached at 301-415-2849 or by e-mail at Stacy.Joseph @nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Stacy Joseph, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2868 and 2949

Enclosures:
Request for Additional Information

cc: William Mookhoek
Steve Cashell

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Request for Additional Information

cc: William Mookhoek
Steve Cashell

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2868 Revision 0

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co.
Docket No. 52-012 and 52-013
SRP Section: 14.03 - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: 14.3

QUESTIONS for Electrical Engineering Branch (EEB)

14.03-1

Acceptance Criteria of Item 11, in Table 2.12.1, “Electric Power Distribution System,” Acceptance criteria of item 8 in Table 2.12.2, “Direct Current Power Supply,” Acceptance criteria of item 10 in Table 2.12.14, “Vital AC Power Supply,” and acceptance criteria of item 9 in Table 2.12.15, “Instrument and Control Power Supply,” of Part 9 of the STP COLA address the system interrupting devices coordination and state that " Analysis of as-built----- and concludes that to the maximum extent possible, the analyzed circuit interrupter closest to the fault will open before other devices." Please modify the acceptance criteria to include a justification of acceptability of those instances when coordination can not be achieved.

Enclosure

Request for Additional Information No. 2949 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 14.03.06 - Electrical Systems - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: 14.03- Inspection, Test, Analyses, and Acceptance Criteria

QUESTIONS for Electrical Engineering Branch (EEB)

14.03.06-5

In Table 3.0-2, Section 3.0 of Part 9 of the STP COLA, Site-Specific ITAAC, the applicant provided ITAAC for the offsite power system. However, no ITAAC is provided for lightning and grounding protection for the offsite power system. SRP Section 14.3.6 recommends that ITAACs for lightning and grounding protection should be developed. Please provide ITAACs for lightning and grounding protection for the offsite power system or provide a discussion on why these are not required .