

June 28, 2000

Mr. William T. Cottle
President and Chief Executive Officer
STP Nuclear Operating Company
South Texas Project Electric
Generating Station
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: SOUTH TEXAS PROJECT, UNITS 1 AND 2 - REVISION TO TECHNICAL
SPECIFICATION BASES (TAC NO. MA5334 AND MA5335)

Dear Mr. Cottle:

By letter dated April 19, 1999, as supplemented May 30, 2000, STP Nuclear Operating Company (STPNOC) provided the NRC with changes to Technical Specification (TS) Bases Sections 3.8.1.1, "Electrical Power Systems" to correct the description of separation and independence of offsite AC electrical power sources.

As you are aware, the TS Bases are not part of the TS as defined by 10 CFR 50.36. Changes to the TS Bases may voluntarily be made in accordance with the provisions of 10 CFR 50.59. Should the proposed change involve an unreviewed safety question pursuant to 10 CFR 50.59(a)(2), or involve a change in the interpretation of implementation of the TS (i.e., constitute a TS change), then the proposed change is to be provided to the staff pursuant to the provisions of 10 CFR 50.59(c) and 10 CFR 50.90 for prior NRC review and approval.

The TS Bases you provided are hereby returned to you and should be inserted in the TS to ensure the NRC staff and STPNOC have identical TS Bases pages. The staff did not perform an evaluation of your TS Bases revisions and staff concurrence with the revisions is not implied by this letter. The staff may review the evaluations that support these TS Bases revisions during inspection of the South Texas Project, Units 1 and 2, implementation of 10 CFR 50.59.

Sincerely,

/RA/

John A. Nakoski, Senior Project Manager, Section 1
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure: Bases pages B 3/4 8-3

cc w/encl: See next page

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South Texas, Units 1 & 2

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ELECTRICAL POWER SYSTEMS

BASES

A.C. SOURCES, D.C. SOURCES, and ONSITE POWER DISTRIBUTION (Continued)

Each offsite circuit must be capable of maintaining rated frequency and voltage, and accepting required loads during an accident, while connected to the ESF busses.

Each DG must be capable of starting, accelerating to rated speed and voltage, and connecting to its respective ESF bus on detection of bus undervoltage. This will be accomplished within [10] seconds. Each DG must also be capable of accepting required loads within the assumed loading sequence intervals, and continue to operate until offsite power can be restored to the ESF busses. These capabilities are required to be met from a variety of initial conditions such as DG in standby with the engine hot, DG in standby conditions, and DG operating in parallel test mode.

The AC sources in one train must be separate and independent (to the extent possible) of the AC sources in the other train. For the DGs, separation and independence are complete.

For the offsite AC sources, separation and independence are to the extent practical. Separation of the on-site circuits is accomplished by connecting each 4.16 kV ESF bus to a separate 13.8 kV standby or auxiliary bus. No 13.8 kV standby or auxiliary bus normally feeds more than one 4.16 kV bus.

APPLICABILITY

The AC sources are required to be OPERABLE in MODES 1, 2, 3, and 4 to ensure that:

- a. Acceptable fuel design limits and reactor coolant pressure boundary limits are not exceeded as a result of anticipated operational occurrences (AOOs) or abnormal transients; and
- b. Adequate core cooling is provided and containment OPERABILITY and other vital functions are maintained in the event of a postulated DBA.

The AC power requirements for Modes 5 and 6 are covered in LCO 3.8.2, "AC Sources-Shutdown."

3.8.1.1 Action a.

To ensure a highly reliable power source remains with one offsite circuit inoperable, it is necessary to verify the OPERABILITY of the remaining

SOUTH TEXAS - UNITS 1 & 2

B 3/4 8-3

Unit 1 - Amendment No. 68

Unit 2 - Amendment No. 57

Feb 2 1995

Revised by NRC letter dated June 28, 2000

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