



South Texas Project Electric Generating Station 4000 Avenue F - Suite A Bay City, Texas 77414

April 20, 2009
U7-C-STP-NRC-090036

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville MD 20852-2738

South Texas Project
Units 3 and 4
Docket Nos. 52-012 and 52-013
Response to Request for Additional Information

Attached is the response to an NRC staff question included in Request for Additional Information (RAI) letter number 87 related to Combined License Application (COLA) Part 2, Tier 2, Section 3.9. This submittal completes the response to this RAI letter.

The Attachment addresses the response to the RAI question listed below:

RAI 03.09.03-2

When a change to the COLA is indicated, the change will be incorporated into the next routine revision of the COLA following NRC acceptance of the RAI response.

There are no commitments in this letter.

If you have any questions, please contact me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274.

DO91
NRO

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 4/20/09



Scott Head
Manager, Regulatory Affairs
South Texas Project Units 3 & 4

jep

Attachment:

Question 03.09.03-2

cc: w/o attachment except*
(paper copy)

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RAI 03.09.03-2**QUESTION:**

Section 3.9.3.4.2 of the STP 3 and 4 FSAR, Revision 2 added a STP DEP Admin item. It requires replacement of equation 3.9-1.

Please provide justification for changing the transverse shear stress term in equation 3.9-1.

RESPONSE:

This change was made in COLA Rev. 0 as an administrative departure. However, STPNOC no longer has access to the information that provided the basis for this departure. Therefore this STD DEP Admin will be removed in the next COLA revision.

The following changes to the COLA Rev. 2 text in Tier 2, Section 3.9.3.4.2 will be provided as an update in COLA Rev. 3. The changes to COLA Rev. 2 text are shown below with gray highlighting.

3.9.3.4.2 Reactor Pressure Vessel Support Skirt

STD DEP Admin

Replace the following equation (3.9-1)

$$\frac{P}{P_{crit}} + \frac{q}{q_{crit}} + \frac{\tau}{\tau_{crit}} < \frac{1}{S.F.}$$

with

$$\frac{P}{P_{crit}} + \frac{q}{q_{crit}} + \frac{\tau^2}{\tau_{crit}^2} < \frac{1}{S.F.}$$