



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

November 10, 2009  
U7-C-STP-NRC-090197

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
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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 the NRC staff question included in Request for Additional Information (RAI) letter number 282 related to Combined License Application (COLA) Part 2, Tier 2, Section 18.4, Control Room Standard Design Features. This submittal forms a complete response to the RAI letter and provides the response to RAI question 18-4.

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 regarding this response, please contact me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274.

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

Executed on 11/10/09

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

ccc

Attachment: Question 18-4

cc: w/o attachments and enclosure except\*  
(paper copy)

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**RAI 18-4****QUESTION:**

FSAR section 18.4.2.1(3) states:

"The use of a separate set of on-screen control VDUs for safety system control and monitoring and separate on-screen control VDUs for non-safety system control and monitoring; the operation of these two sets of VDUs is entirely independent of the plant computer functions."

The second half of this sentence appears to be incorrect. In the proposed STP 3 & 4 design, there are no non-safety VDUs that are independent of the Plant Computer Function. Deletion of 18.4.2.4 (2) confirms this assessment but contradicts with the statements made in 18.4.2.1 (3).

The staff requests for the applicant to clarify/correct section 18.4.2.1(3) accordingly.

**RESPONSE:**

The deletion of the statement in FSAR Subsection 18.4.2.4 (2) is correct because there is no separate set of independent Video Display Units (VDUs) for non-safety system control and monitoring. The reference to VDUs for non-safety system control and monitoring in Subsection 18.4.2.1 (3) will be deleted, which is consistent with the changes previously made to Subsections 18.4.2.2 (2) and 18.4.2.4 (2). To clarify these deletions, additional information will be provided in COLA Part 7 Subsection 2.1 for STD DEP T1 3.4-1.

FSAR Subsection 18.4.2.1 (3) will be revised as shown in highlight below:

- (3) *The use of a separate set of on-screen control VDUs for safety system control and monitoring and separate on-screen control VDUs for non-safety system control and monitoring; the operation of these two sets of VDUs is entirely independent of the plant process computer system functions. Further, the first set of VDUs and all equipment associated with their functions of safety system control and monitoring are divisionally separate and qualified to Class 1E standards.*

In COLA Part 7 Departures Report, Section 2.1, for STD DEP T1 3.4-1 Safety Related I&C Architecture, additional information will be added at the end of the departure description as shown in highlight below:

*The item (3) change from hardware based to functional design requirements (i.e., PCS to PCF) resulted in an unnecessary duplication (two sets) of non-safety Video Display Units (VDUs). Therefore, a set of non-safety VDUs is deleted in FSAR Section 18.4.*