



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

December 30, 2009  
U7-C-STP-NRC-090233

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  
Revised Response to Request for Additional Information

Reference: Letter, Scott Head to Document Control Desk, "Response to Request for Additional Information," dated October 21, 2009, U7-C-STP-NRC-090177 (ML092960451).

Attached is a revision to the response to RAI question 03.09.03-4 related to COLA Part 2, Tier 2, Section 3.9, "Mechanical Systems and Components." The referenced letter provided the original response to RAI question 03.09.03-4.

The attachment to this letter provides the following RAI question response:

03.09.03-4, Revision 1.

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.

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NR0

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

Executed on 12/30/09



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

jep

Attachment: Question 03.09.03-4, Revision 1

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

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**RAI 03.09.03-4****QUESTION:**

This RAI 3689 supplements RAI 3093.

The staff has reviewed the response of RAI 3093 (Question 12484) and determined that the response was partially acceptable. As called for in COL License Information Item 3.9.7.4, "Audit of Design Specification and Design Report", the design specifications will be made available for audit during the technical review period. An audit will be scheduled to conduct the review. However, the COL Item also required that design reports be made available. In Table 1 of response document U7-C-STP-NRC-090085, the applicant estimated the dates of availability of design reports for NRC audit from Q2-10 to Q4-13. The estimated dates occur after the technical review is scheduled to be complete, so the reports will not be available for staff review during the license review and staff will not be able to take them into account when making the safety determination for the license.

10 CFR 52 Appendix A Section IV.A.2.e requires the applicant provide information to address the COL Information Items. 10CFR 52.79 (d)(3) requires that the final safety analysis report demonstrate that all requirements and restrictions set forth in the referenced design certification rule be satisfied prior to issuance of the combined license. The COL Information Item requires that design specification and reports be made available for NRC audit. The audit is needed to verify that the methodologies in the DCD were followed and that the regulations are met. RG 1.206 Section C.III.4.3 provides guidance for COL Information Items that cannot be resolved prior to issuance of the license. This same issue was successfully addressed for another application through addition of an ITAAC to allow verification that the design reports met the ASME Code and regulations.

**RESPONSE: REVISION 1:**

This response is being revised from the initial submittal to incorporate comments provided by NRC staff in a telephone conference call on November 19, 2009. Changes to the response are indicated by revision bars in the margin.

As noted in the RAI, Regulatory Guide (RG) 1.206 Section C.III.4.3 provides guidance for COL Information Items that cannot be resolved prior to issuance of the license. Four suggested alternatives are provided, including providing new ITAAC (Option 2) and describing the proposed approach in sufficient detail to support the NRC licensing finding including an implementation schedule (Option 4). The approach described in the response to RAI 3093 (see response to RAI 03.09.03-3 provided in letter U7-C-STP-NRC-090085 dated July 27, 2009) was to implement the latter alternative.

To address the staff's concern that the approach provided in response to RAI 3093 is only partially acceptable, STPNOC will provide a new site-specific ITAAC (RG 1.206 C.III.4.3 Option 2) in COLA Part 9 to provide a specific post-COL requirement for verifying the design reports for the ASME Class 1, 2 and 3 components.

COLA Part 9, Section 3.0 will be revised in a future COLA revision to incorporate the new site-specific ITAAC as noted above. The revision to COLA Revision 3 is shown below, with changes highlighted in gray shading.

**3.0 Site-Specific ITAAC**

The STP 3 & 4 site-specific systems and activities that require ITAAC because they have a safety-related, safety-significant, or risk significant function are listed below:

- Breathing Air (BA) System
- Design Reports for ASME Class 1, 2, and 3 Components

**Table 3.0-13 Design Reports for ASME Class 1, 2, and 3 Components**

<b>Design Requirement</b>	<b>Inspections, Tests, Analyses</b>	<b>Acceptance Criteria</b>
<p>1. ASME Class 1, 2 and 3 components are designed in accordance with ASME Section III requirements and seismic Category I requirements.</p>	<p>1. Inspections of ASME Code Design Reports (NCA-3350) and required documents will be conducted.</p>	<p>1. ASME Code Design Reports (NCA-3350) (certified when required by the ASME Code) exist and conclude that the design of each ASME Class 1, 2 and 3 component complies with the requirements of the ASME Code, Section III, including for those stresses and loads related to fatigue (including environmental effects on fatigue for Class 1 carbon steel piping), thermal expansion, seismic, and load combinations.</p>