



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

February 23, 2009  
U7-C-STP-NRC-090012

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  
Supplemental Responses to Requests for Additional Information

- References:
1. Letter, M. A. McBurnett to Document Control Desk, "Response to Requests for Additional Information," dated January 28, 2009 (U7-C-STP-NRC-090001, ML090300648)
  2. Letter, M. A. McBurnett to Document Control Desk, "MACTEC Boring Logs and FSAR Commitments COM 3H-2 and COM 2.5S-2," dated January 28, 2009 (U7-C-STP-NRC-090005, ML090350714)

This letter provides supplemental information to the previous responses to Request for Additional Information (RAI) questions 02.04.04-9 and 02.05.04-13, also related to responses to RAI questions 02.04.04-10 and 02.05.04-13 (Reference 1). This submittal updates Final Safety Analysis Report (FSAR) Section 2.5S, which satisfies the remaining requirements for FSAR commitments COM 2.5S-2 and COM 3H-2 as described in Reference 2.

Attachments 1 and 2 supplement the previous responses to RAI question 02.04.04-9 and 02.04.04-10 and provide the proposed changes to subsections in FSAR Sections 2.4S.1 and 3.4, Subsection 2.5S.5.2.1, and Appendices 3H and 19R. These changes incorporate the results of the revised main cooling reservoir (MCR) embankment breach analysis described in the previous responses RAI responses (Reference 1).

Attachment 3 supplements the previous response to RAI questions 02.05.04-13 and 02.05.04-15 and provides the proposed changes to FSAR Subsections 2.5S.4.2, 2.5S.4.10, 2.5S.4.11, and 2.5S.4.13. These changes incorporate the revised calculation methodologies for potential settlement and rebound and for bearing capacity described in the previous RAI responses (Reference 1). Attachment 3 also updates FSAR Section 2.5S as required to include the results of the supplemental (i.e., the second) subsurface investigation, conducted to support the addition of a Radwaste Building in the STP 4 area, and the results of the third subsurface investigation, conducted to support the relocation of the Ultimate Heat Sink, Reactor Service Water (RSW) Pumphouses, the RSW pipe tunnels, and to address the Diesel Generator Fuel Storage Vaults. In

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conjunction with Reference 2, this submittal satisfies FSAR commitments COM 2.5S-2 and COM 3H-2.

STPNOC has determined that the following previously submitted responses to RAI questions related to the MCR breach analysis require updates as a result of the re-analysis of the MCR embankment breach:

02.04.02-3	02.04.04-1	02.04.08-1	02.04.13-10	03.04.01-5
	02.04.04-2			
	02.04.04-3			
	02.04.04-4			
	02.04.04-5			
	02.04.04-6			
	02.04.04-7			
	02.04.04-8			

STPNOC will provide revised responses to the RAI questions listed above by March 25, 2009.

There are no commitments in this letter.

If you have any questions regarding these responses or commitments, 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 2/23/09



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

rhb

Attachments:

1. Question 02.04.04-9, Supplement 1, Part A
2. Question 02.04.04-9, Supplement 1, Part B
3. Question 02.05.04-13, Supplement 1

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

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