



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

August 30, 2010
U7-C-STP-NRC-100195

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

- References:
1. Letter, Scott Head to Document Control Desk, "Response to Request for Additional Information," dated May 17, 2010, U7-C-STP-NRC-100107 (ML101390227)
 2. Letter, Scott Head to Document Control Desk, "Response to Request for Additional Information," dated June 10, 2010, U7-C-STP-NRC-100128 (ML101650101)

Attached are the STP Nuclear Operating Company (STPNOC) responses to NRC staff questions in Request for Additional Information (RAI) letter number 333, related to Combined License Application (COLA) Part 2, Tier 2, Sections 2.4S.12, "Groundwater," and 2.4S.13, "Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters," that were not previously provided in Reference 1. In addition, the NRC staff requested that STPNOC provide the groundwater model "Input and Output Files" used to develop the attached responses. These files are provided in the enclosed compact disc (CD).

The schedule for responding to RAI letter number 333 that was provided in Reference 2 indicated that six of the RAI responses provided with this letter would require supplemental responses that would be provided by December 15, 2010. STPNOC has since determined that only three of the RAI responses provided with this letter will require a supplemental response. Supplemental responses to RAI questions 02.04.12-46, 02.04.12-48, and 02.04.12-50 will be submitted prior to December 15, 2010, in accordance with the original schedule. Attachments 1 through 12 provide responses to the RAI questions listed below:

- | | | |
|-------------------------|---------------------------|-------------|
| 02.04.12-38, Revision 1 | 02.04.12-43 | 02.04.12-47 |
| 02.04.12-39 | 02.04.12-44 | 02.04.12-48 |
| 02.04.12-40 | 02.04.12-45, Supplement 1 | 02.04.12-49 |
| 02.04.12-42 | 02.04.12-46 | 02.04.12-50 |

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The DVDs enclosed with this letter contain computer model input and output files requested by the NRC Staff. The NRC Staff requested that the files be submitted in the native formats required by the software utilized to support development of the STP 3 & 4 COLA. Please note that the files on the enclosed DVDs do not comply with the requirements for electronic submission in NRC Guidance Document, "Guidance for Electronic Submissions to the NRC," dated November 20, 2007.

When a change to the COLA is required, it 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 Scott Head 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 8/30/10



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

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Attachments:

1. RAI 02.04.12-38, Revision 1
2. RAI 02.04.12-39
3. RAI 02.04.12-40
4. RAI 02.04.12-42
5. RAI 02.04.12-43
6. RAI 02.04.12-44
7. RAI 02.04.12-45, Supplement 1
8. RAI 02.04.12-46
9. RAI 02.04.12-47
10. RAI 02.04.12-48
11. RAI 02.04.12-49
12. RAI 02.04.12-50

Enclosures (DVDs):

1. STPNOC Letter U7-C-STP-NRC-100195, Visual MODFLOW - Input-Output Files, Disk 1 of 2
2. STPNOC Letter U7-C-STP-NRC-100195, Visual MODFLOW - Input-Output Files, Disk 2 of 2

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

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