



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

December 21, 2010
U7-C-STP-NRC-100271

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

Reference: Letter, Scott Head to Document Control Desk, "Response to Request for Additional Information," dated November 22, 2010, U7-C-STP-NRC-100241

Attached are STP Nuclear Operating Company supplemental responses to RAI questions related to Combined License Application (COLA) Part 2, Tier 2, Section 2.4S.12, "Groundwater." The original responses to these RAI questions were submitted in the referenced letter. Attachments 1 and 2 provide the responses to the RAI questions listed below.

02.04.04-14, Supplement 1

02.04.04-15, Supplement 1

Enclosures 1, 2 and 3 to this letter contain the computer input/output files for computer codes for various models and calculation packages that support the responses to RAI 02.04.04-14 and RAI 02.04.04-15. These model input/output files were requested by the staff as described in Attachments 1 and 2. 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. Note that the files on the enclosed DVDs are unable to 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 me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274.

DOI
MPO
STI 32799477

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

Executed on 12/21/10



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

rhb

- Attachments:
1. RAI 02.04.04-14, Supplement 1
 2. RAI 02.04.04-15, Supplement 1

- Enclosures:
1. DVD: STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-14
BREACH model input and output files
 2. DVD: STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-15 (Disk 1 of 2)
RMA2 and SED2D input and output files (2008)
 3. DVD: STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-15 (Disk 2 of 2)
RMA2 and SED2D input and output files
(Revised grid with full sediment accumulation)

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

Director, Office of New Reactors
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

Kathy C. Perkins, RN, MBA
Assistant Commissioner
Division for Regulatory Services
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

Alice Hamilton Rogers, P.E.
Inspection Unit Manager
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

*Steven P. Frantz, Esquire
A. H. Gutterman, Esquire
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Ave. NW
Washington D.C. 20004

*Tekia Govan
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

(electronic copy)

*George F. Wunder
*Tekia Govan
Loren R. Plisco
U. S. Nuclear Regulatory Commission

Steve Winn
Joseph Kiwak
Eli Smith
Nuclear Innovation North America

Peter G. Nemeth
Crain, Caton & James, P.C.

Richard Peña
Kevin Pollo
L. D. Blaylock
CPS Energy

RAI 02.04.04-14, Supplement 1

SUPPLEMENTAL QUESTION:

STPNOC responded to RAI 02.04.04-14 on November 22, 2010, in letter U7-C-STP-NRC-100241. During a teleconference on December 8, 2010, the NRC staff requested that STPNOC provide the computer input/output files for computer codes for various models and calculation packages that support the response to RAI 02.04.04-14.

RESPONSE:

Enclosed with this response is a DVD titled as follows:

DVD: STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-14
BREACH model input and output files

This DVD contains the computer input/output files for computer codes for various models and calculation packages that support the response to RAI 02.04.04-14.

No changes to the COLA are required as a result of this response.

RAI 02.04.04-15, Supplement 1

SUPPLEMENTAL QUESTION:

STPNOC responded to RAI 02.04.04-15 on November 22, 2010, in letter U7-C-STP-NRC-100241. During a teleconference on December 8, 2010, the NRC staff requested that STPNOC provide the computer input/output files for computer codes for various models and calculation packages that support the response to RAI 02.04.04-15.

RESPONSE:

Enclosed with this response are two DVDs titled as follows:

DVD: STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-15 (Disk 1 of 2)
RMA2 and SED2D input and output files (2008)

STPNOC Letter U7-C-STP-NRC-100271
RAI 02.04.04-15 (Disk 2 of 2)
RMA2 and SED2D input and output files
(Revised grid with full sediment accumulation)

These DVDs contain the computer input/output files for computer codes for various models and calculation packages that support the response to RAI 02.04.04-14.

No changes to the COLA are required as a result of this response.