



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

December 3, 2009
U7-C-STP-NRC-090218

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

Attached is the STP Nuclear Operating Company (STPNOC) response to the NRC staff question in Request for Additional Information (RAI) letter number 281, related to Combined License Application (COLA) Part 2, Tier 2, Section 12.2. This submittal completes the response to letter 281. The Attachment contains the response to RAI Question 12.02-12.

There are no commitments in this letter.

If you have any questions regarding this response, 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 12/3/09

Mark A. McBurnett
Vice President, Oversight and Regulatory Affairs
South Texas Project Units 3 & 4

scs
Attachment:
Question 12.02-12

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LRO

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

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RAI 12.02-12**QUESTION:**

In order to explain how the application demonstrates the site can meet the general environmental radiation standard in 40 CFR 190 (per 10 CFR 20.1301(e)), the staff requests that the applicant provide sufficient information for the staff to evaluate application section references, bases and assumptions used in the applicant's analyses.

Information required to be incorporated into this response is in transition and may be changed. The changes to liquid and gaseous effluent annual doses to the environment would effect the data included in the 40 CFR 190 response. The previous RAI (11.02-4) similar to this RAI has been closed.

Information to be included needs to show, per 40CFR190.10, "That the annual dose equivalent does not exceed 25 millirems to the whole body, 75 millirems to the thyroid, and 25 millirems to any other organ of any member of the public as the result of exposures to planned discharges of radioactive materials, radon and its daughters excepted, to the general environment from uranium fuel cycle operations and to radiation from these operations."

The staff requests that for the applicant to incorporate this analysis into the FSAR or justify its exclusion.

RESPONSE:

STPNOC's response to RAI 12.02-8, item number 4, indicated that STP 3&4 COLA Rev. 3, Part 3, Table 5.4-8 demonstrates that the total site liquid and gaseous effluents from STP 1&2 plus STP 3&4 would be well within the regulatory limits of 40 CFR 190. The values in STP 3&4 COLA, Rev. 3, Part 3, Table 5.4-8 are consistent with those provided in STPNOC's response to RAI 11.02-4. In that response, STPNOC provided supplemental information to be included in STP 3&4 COLA, Rev. 4, Part 2, Tier 2, Subsection 12.2.3.

No COLA change is required as a result of this response.