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

February 8, 2010
U7-C-STP-NRC-100039

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 308, related to Combined License Application (COLA) Part 2, Tier 2, Section 12.5. This submittal is a partial response to letter 308. The Attachment contains the response to RAI Question 12.05-6.

The indicated change to the COLA 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.

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

Executed on 2/8/10

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

scs
Attachment:

Question 12.05-6

D091
NRO

STI 32610496

cc: w/o attachment 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

C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

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

*George F. Wunder
* Michael Eudy
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

(electronic copy)

*George F. Wunder
*Michael Eudy
Loren R. Plisco
U. S. Nuclear Regulatory Commission

Steve Winn
Joseph Kiwak
Eli Smith
Nuclear Innovation North America

Jon C. Wood, Esquire
Cox Smith Matthews

J. J. Nesrsta
Kevin Pollo
L. D. Blaylock
CPS Energy

RAI 12.05-6

QUESTION:

FSAR Section 12.5.3.2 states, "STPNOC has approximately 14 portable high volume air samplers, 14 portable low volume air samplers, and 6 portable continuous air samplers. Procedures have been developed to measure the iodine activity entrained on the silver zeolite cartridges or carbon filter units. Personnel have been trained, and will continue to be trained, to operate this equipment." The staff requests for the applicant explain how this above statement is accurate given that the STP 3 and 4 radiation protection program is not yet in place, and equipment acquisition has not yet occurred. In addition, your response should include proposed FSAR revisions accordingly.

RESPONSE:

The numbers quoted in FSAR Section 12.5.3.2 are reflective of the air sampling units currently in use in Units 1 & 2. It is expected that the Health Physics program, procedures, and training curriculum currently in use in Units 1 & 2 will be expanded to govern Units 3 & 4 as well, and that air sampling equipment will be shared among the four units, with additional units procured as necessary to support the needs of the four units.

The following change to the COLA will be submitted in a future revision:

12.5.3.2 Compliance with Paragraph 50.34 (f) (xxvii) of 10 CFR 50 and NUREG-0737 Item III.D.3.3

The following site-specific supplement addresses COL License Information Item 12.10.

STPNOC currently has approximately 14 portable high volume air samplers, 14 portable low volume air samplers, and 6 portable continuous air samplers in use. Procedures have been developed to measure the iodine activity entrained on the silver zeolite cartridges or carbon filter units. Personnel have been trained, and will continue to be trained, to operate this equipment. The background activity in the counting rooms is normally maintained low enough to permit counting. Additionally, shielding materials are available to facilitate the counting operation, if necessary. The filter units are counted by a high resolution detector and a multi-channel analyzer or similar device, thereby eliminating the need for purging noble gases.

It is expected that the STPNOC Health Physics program, procedures, and training curriculum will be expanded and modified as necessary to meet requirements for all operating units, with air sampling equipment shared among the four units and additional samplers procured as required to support four unit operation.