



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

May 26, 2009
U7-C-STP-NRC-090051

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 response to an NRC staff question included in Request for Additional Information (RAI) letter number 102 related to combined licensing application (COLA) Part 2 Chapter 9 regarding spent fuel rack materials. This submittal completes the response to this RAI letter.

When a change to the COLA is indicated, the change will be incorporated into the next routine revision of the COLA following NRC acceptance of the 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.

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

Executed on 5/26/09

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

jaa

Attachment:

Question 09.01.02-1, Response

DO91
MRO

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, TX 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
*Tom Tai
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

(electronic copy)

*George Wunder
*Tom Tai
Loren R. Plisco
U. S. Nuclear Regulatory Commission

Steve Winn
Eddy Daniels
Joseph Kiwak
Nuclear Innovation North America

Jon C. Wood, Esquire
Cox Smith Matthews

J. J. Nesrsta
R. K. Temple
Kevin Pollo
L. D. Blaylock
CPS Energy

RAI 09.01.02-1

QUESTION:

Section 9.1.2.1.5 of the STP FSAR stated that the latest issue of the applicable ASTM will be used for the fabrication of the fuel storage rack. However, the staff needs to know the specific materials to be used in the fabrication of the STP spent fuel storage racks to assess the suitability of the materials. Also, additional information is requested if Boraflex is used in the design of spent fuel. Please provide the following information:

1. Details of the structural materials for the fabrication of the fuel storage including materials for interlocking panels that form the fuel element storage matrix.
2. If Boraflex is used, provide a detail description of the program for monitoring neutron poison.

RESPONSE:

1. The structural materials used in the design of the spent fuel storage racks will be in accordance with DCD Tier 2 Section 9.1.2.1.5 and the racks will be designed in accordance with DCD Tier 1, Section 2.5.6. The final design of the spent fuel storage racks is not complete at this time. Note that the rack design will be verified per ITAAC 2.5.6.1, 2.5.6.2 and 2.5.6.3. STPNOC has taken no departures for Section 9.1.2.1.5 and as such it has finality. There are no COL items for this DCD section.
2. STPNOC will not use Boraflex™ as the neutron absorber in the spent fuel storage racks.

There are no COLA changes as a result of this RAI response.