



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

March 26, 2012  
NOC-AE-12002820  
STI No. 33402611  
File No.: G25  
10CFR50

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852-2738

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Notification of Final Spent Fuel Pool Rack Installation

- Reference:
1. HL&P letter dated February 20, 1989 from M. A. McBurnett to the NRC Document Control Desk, "Partial Installation of High Density Spent fuel Racks", (ST-HL-AE-2951).
  2. HL&P letter dated March 8, 1988 from G. E. Vaughn to the NRC Document Control Desk, "Expansion of the Spent fuel Storage Capacity Using High Density Spent Fuel Racks", (ST-HL-AE-2417).
  3. NRC Letter dated November 1, 1988 from George F. Dick, Jr., Project Manager, to J.H. Goldberg, HL&P, "Issuance Of Amendment No. 2 To Facility Operating License NPF-76 - South Texas Project, Unit 1 (TAC No. 65086)," (ST-AE-HL-91848).

Pursuant to Reference 1, STP Nuclear Operating Company (STPNOC) is notifying the NRC that STP intends to install the final two high density spent fuel storage racks 12 and 16 (2 per Unit) no later than December 31, 2013.

STP filed an amendment to the operating license in 1988 (Reference 2) to install high density racks in the spent fuel pool. This request was approved by the NRC in 1988 (Reference 3). Subsequently, STP notified the NRC that it would not install two racks (Reference 1). In this letter, STP committed that

"Future installation of these 2 racks will be in accordance with the guidelines of NUREG-0612 "Control of Heavy Loads at Nuclear Power Plants". Additionally, steps will be followed to ensure spent fuel will not be stored in the fuel storage cells adjacent to the uninstalled racks to minimize radioactive sources next to the spent fuel pool's southeast corner where fuel handling operations may be performed and where future rack installation will occur. HL&P will notify the NRC prior to final rack installation to describe the steps taken to achieve worker radiation exposures ALARA and to ensure NUREG-0612 guidelines are followed."

A001  
NRC


STP now plans to install the final two storage racks. The seismic analysis design basis of the racks is bounded by the results described in Reference 2. The configuration for criticality analysis in Region 2 racks is based on considerations for fuel in adjacent cells. The addition of the 2 racks in the spent fuel pool will not alter the analysis configuration.

The detailed steps taken to achieve worker radiation exposure ALARA are encompassed in the associated site procedures. A formal plan will be developed by installation personnel and Radiation Protection (RP) to support maintaining dose ALARA. This plan will be submitted to the ALARA Review Committee for approval prior to a challenge review. Special consideration will be given to the control of contamination when rigging or other components are being removed from the SFP.

Additionally, the installation of the remaining racks will be performed in accordance with site procedure, "Control of Heavy Loads" ensuring NUREG-0612 guidelines are followed.

There are no regulatory commitments in this letter.

If there are any questions regarding this amendment request, please contact Joe Loya at (361) 972-8005 or me at (361) 972-7298.



A. W. Harrison  
Manager Licensing

JAL

cc:  
(paper copy)

Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

Balwant K. Singal  
Senior Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North (MS 8 B1)  
11555 Rockville Pike  
Rockville, MD 20852

Senior Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 289, Mail Code: MN116  
Wadsworth, TX 77483

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

(electronic copy)

A. H. Gutterman, Esquire  
Morgan, Lewis & Bockius LLP

Balwant K. Singal  
U. S. Nuclear Regulatory Commission

John Ragan  
Chris O'Hara  
Jim von Suskil  
NRG South Texas LP

Kevin Pollo  
Richard Pena  
City Public Service

Peter Nemeth  
Crain Caton & James, P.C.

C. Mele  
City of Austin

Richard A. Ratliff  
Texas Department of State Health Services

Alice Rogers  
Texas Department of State Health Services