



MAY 02 2011

10CFR50.59(d)(2)

LR-N11-0145

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Salem Nuclear Generating Station Units 1 and 2
Facility Operating License Nos. DPR-70 and 75
NRC Docket Nos. 50-272 and 50-311

Subject: Report of Changes, Tests and Experiments

Pursuant to the requirements of 10CFR50.59(d)(2), PSEG Nuclear LLC (PSEG) forwards a summary of changes, tests and experiments implemented at Salem Units 1 and 2 during the period May 1, 2009, through May 1, 2011.

There are no regulatory commitments contained in this letter. Should you have any questions regarding this transmittal, please contact E. H. Villar at (856) 339-5456.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Fricker", written over a printed name.

Carl J. Fricker
Salem Site - Vice President

Attachments (1)

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NRR

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cc Mr. W. Dean, USNRC - Administrator - Region I
 Mr. R. Ennis, USNRC - Licensing Project Manager - Salem
 USNRC Senior Resident Inspector - Salem (X24)
 Mr. P. Mulligan, NJBNE Manager IV
 Mr. H. Berrick, Salem Commitment Tracking Coordinator
 Mr. L. Marabella, Corporate Commitment Tracking Coordinator

Attachment 1
SUMMARY OF CHANGES, TESTS AND EXPERIMENTS
SALEM UNITS 1 AND 2

Salem Dry Cask Storage Operations (S2009-284 – PORC approved 08/10/2010)

Description of Activity:

The proposed activity implemented cask loading operations associated with onsite dry storage of irradiated fuel that is currently being stored in the Salem Generating Station (SGS) spent fuel pools. Interim, onsite dry spent fuel storage occurs at the Independent Spent Fuel Storage Installation (ISFSI) facility located north of Hope Creek Generating Station (HCGS). Dry storage of Hope Creek spent fuel began in 2006. In 2010, spent fuel from SGS was added to the ISFSI. Holtec's HI-STORM 100 Storage System has been selected for dry storage of the SGS spent fuel. Design Change Package (DCP) 80091593 provided the necessary Part 50 site-specific evaluation analyses governing use of the HI-STORM 100 Storage System at SGS. This DCP describes the activities related to loading, transferring, and transporting the various casks that take place in and around the SGS Fuel Handling Building (FHB).

This activity incorporated changes to plant licensing bases and implements cask loading operations, as required by 10 CFR 72.212(b)(4). The changes to the Salem Updated Final Safety Analysis Report (UFSAR) included adding discussions of dry spent fuel storage, recognizing the ISFSI as a new location for SGS spent fuel storage, adding the Cask Handling Crane (CHC) function of handling the HI-TRAC transfer cask in the FHB and removing the 30 foot administrative lift height limit on the CHC. This activity also changed the SGS Technical Requirements Manual (TRM) to provide an exception to the 2,200 lb weight limit of loads suspended over irradiated fuel to allow the MPC lid to be lowered into a loaded MPC.

This 10 CFR 50.59 evaluated the effects of dry cask storage operations on the Part 50 facility, including the changes to the SGS UFSAR and TRM. A separate 10 CFR 72.48 screening for this DCP (No. S10-01) addressed dry storage-related activities at SGS within the scope of 10 CFR 72. In addition, a revision to the existing PSEG 72.212 report documents the written evaluations required by 10 CFR 72.212(b)(2) for use of the HI-STORM 100 Storage System to store SGS spent fuel at the on-site ISFSI under the 10 CFR 72 general license granted to PSEG by 10 CFR 72.210. Neither this 50.59 Evaluation nor 72.48 screening describe the details of the design, operation, and safety analyses for the storage cask system. Those details are provided in the Holtec FSAR for the HI-STORM 100 Storage System.