



OCT 18 2010

10CFR72.212

LR-N10-0365

ATTN: Document Control Desk
Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Salem Nuclear Generating Station Unit 1
Facility Operating License Number DPR-70
NRC Docket Numbers 50-272 and 72-48

Subject: Spent Fuel Cask Registration

Pursuant to the requirements of 10 CFR 72.212(b)(1)(ii), PSEG Nuclear LLC (PSEG) hereby reports the following registration information associated with four HI-STORM 100 spent fuel cask systems that were recently placed into storage in the PSEG Independent Spent Fuel Storage Installation (ISFSI).

Cask Certificate 72-1014 Amendment 5
Cask Model HI-STORM 100
MPC Serial Number 1023-96
Overpack Serial Number 1024-328
Number of Fuel Bundles 32
Placed in Service 9/20/2010

Cask Certificate 72-1014 Amendment 5
Cask Model HI-STORM 100
MPC Serial Number 1023-95
Overpack Serial Number 1024-330
Number of Fuel Bundles 32
Placed in Service 09/27/2010

Cask Certificate 72-1014 Amendment 5
Cask Model HI-STORM 100
MPC Serial Number 1023-94
Overpack Serial Number 1024-329
Number of Fuel Bundles 32
Placed in Service 10/04/2010

NMSSDI

Cask Certificate	72-1014 Amendment 5
Cask Model	HI-STORM 100
MPC Serial Number	1023-93
Overpack Serial Number	1024-327
Number of Fuel Bundles	32
Placed in Service	10/11/2010

There are no regulatory commitments contained in this letter. If you have any questions regarding this submittal, please contact Mr. Enrique Villar, Regulatory Compliance Engineer, at (856) 339-5456.

Sincerely,



William F. Mattingly
Regulatory Assurance Manager – Salem

- C Mr. W. Dean, NRC Administrator - Region I
- Mr. R. Ennis, NRC Project Manager - Salem
- USNRC Senior Resident Inspector - Salem (X24)
- Mr. P. Mulligan, NJ BNE Manager IV
- PSEG Commitment Coordinator - Salem
- PSEG Commitment Coordinator - Corporate