

Dominion Nuclear Connecticut, Inc.
Millstone Power Station
Rope Ferry Road
Waterford, CT 06385

APR 4 2009



DominionSM

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

Serial No. 09-248
MPS Lic/BAK R0
Docket No. 72-47
50-336
License No. DPR-65

DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 2
INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)
SUBMITTAL OF CASK REGISTRATION FOR SPENT FUEL STORAGE

Pursuant to 10 CFR 72.212, "Conditions of general license issued under §72.210," paragraph (b)(1)(ii), Dominion Nuclear Connecticut, Inc. (DNC) hereby provides the Nuclear Regulatory Commission (NRC) notification regarding the registration of spent fuel storage casks approved under NRC Certificate of Compliance No. 1004. The required registration information is being submitted within 30 days of loading. The information required per 10 CFR 72.212(b)(1)(ii) follows:

Licensee Name: Dominion Nuclear Connecticut, Inc.
Licensee Address: Rope Ferry Road
Waterford, CT 06385
Reactor License No.: DPR-65
Reactor Docket No.: 50-336
Cask Certificate No.: 1004
Cask Model No.: Standardized NUHOMS[®]-32PT Canister
Cask Identification Nos.: MPS32PT-S100-A-R001 Initial Use: April 10, 2009
MPS32PT-S100-A-HZ010 Initial Use: April 17, 2009
MPS32PT-S100-A-HZ011 Initial Use: April 24, 2009

The above named casks are in use under Amendment 9 of Certificate of Compliance 1004.

In addition, pursuant to the General Requirements and Conditions of the Technical Specifications for Certificate of Compliance 1004, Amendment 9, Para. 1.1.7 "Special Requirements for First System in Place" a summary of the thermal performance of the highest heat load Standardized NUHOMS-32PT Dry Shielded Canister (DSC) placed in service at the Millstone Power Station ISFSI is provided. MPS32PT-S100-A-R001 was loaded with Unit 2 spent fuel and stored in a NUHOMS Model 152 Horizontal Storage Module (HSM). The calculated thermal loading for this DSC is approximately 13.7 kW. The inlet and outlet air temperatures for the HSM were measured consistent with the

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method provided in Certificate No. 1004 Technical Specification 1.2.8. Upon obtaining equilibrium conditions, the measured inlet air temperature was 49 degrees F and measured outlet air temperature was 101 degrees F, corresponding to a temperature difference of 52 degrees F. This temperature difference is within the thermal performance temperature differential of 60 degrees F expected for a Model 152 HSM containing a DSC with a thermal loading of 13.7 kW at the given ambient conditions.

Should there be any questions regarding this submittal or additional information required regarding spent fuel storage under the general license requirements of 10 CFR 72 Subpart K, please contact Mr. William D. Bartron at (860) 444-4301.

Sincerely,

A handwritten signature in black ink, appearing to read 'AJ Jordan', with a long horizontal line extending to the right.

A. J. Jordan
Site Vice President - Millstone

Attachments: None

Commitments made in this letter: None

cc: U.S. Nuclear Regulatory Commission
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