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

Dominion™

MAR 11 2005

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 05-117
MPS Lic/MAE R0
Docket Nos. 50-336
72-47
License No. DPR-65
72-1004

DOMINION NUCLEAR CONNECTICUT, INC.
MILLSTONE POWER STATION UNIT 2
SUBMITTAL OF REGISTRATION FOR INDEPENDENT SPENT FUEL STORAGE INSTALLATION CASKS AND NOTIFICATION OF THERMAL PERFORMANCE FOR FIRST SYSTEM IN PLACE

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 initial use and registration of spent fuel storage casks approved under NRC Certificate of Compliance No. 1004. The cask information required per 10 CFR 72.212(b)(1)(ii) is provided as 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	
Cask Identification No.:	MPS 32PT-S100-A-R002, MPS 32PT-S100-A-R003,	Initial Use: February 15, 2005 Initial Use: February 22, 2005

In addition, pursuant to the General Requirements and Conditions of the Technical Specifications for Certificate of Compliance 1004, §1.1.7 "Special Requirements for First System in Place," a summary of the thermal performance of the first Dry Shielded Canister (DSC) loaded at the Millstone ISFSI is provided. DSC MPS 32PT-S100-A-R002 was loaded with Unit 2 spent fuel in a Horizontal Storage Module (HSM) Model 152. The calculated heat load for the DSC is approximately 13.5 kW, constituting the

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highest heat load for the current spent fuel loading campaign. The inlet and outlet air temperatures for the HSM were measured consistent with the method provided in Technical Specification 1.2.8. Upon obtaining equilibrium conditions, the measured inlet air temperature was 29°F and outlet air temperature was 78°F, corresponding to a temperature difference of 49°F. This temperature differential is well within that calculated for the specific heat load and ambient temperature. The calculation utilizes the same methodology and inputs as those described in the NUHOMS® FSAR, and provides an appropriate adjustment for the actual heat load and ambient temperature. For the conditions reported, the calculated temperature differential is 56°F. Therefore, it is concluded the thermal performance for the initial loaded DSC/HSM at the Millstone ISFSI is satisfactory.

If you have any questions or require additional information, please contact Mr. David W. Dodson, Licensing Supervisor, at (860) 447-1791, extension 2346.

Very truly yours,

J. Alan Price
Site Vice President - Millstone

Attachments:

Commitments made in this letter: None.

cc: U.S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
Millstone Power Station