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NINE MILE POINT NUCLEAR STATION

P.O. Box 63
Lycoming, New York 13093

U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

November 28, 2012

ATTENTION: Document Control Desk
Director, Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards

SUBJECT: Nine Mile Point Nuclear Station
Unit Nos. 1, 2 and ISFSI, Docket Nos. 50-220, 50-410 and 72-1036

General License 30-day Cask Registration Notification and First System
Thermal Performance Assessment

Pursuant to the requirements of 10 CFR 72.212(b)(2), this letter provides the information to register the use of two approved spent fuel storage casks at the Nine Mile Point Nuclear Station (NMPNS) Independent Spent Fuel Storage Installation (ISFSI).

Licensee's Name: Nine Mile Point Nuclear Station, LLC

Address: PO Box 63
Lycoming, NY 13093

Reactor License Numbers: DPR-63 and NPF-69

Docket Numbers: 50-220, 50-410 and 72-1036

Person Responsible for
Providing additional information: Mr. John J. Dosa
315-349-5219

Cask Certificate Number: 1004

Certificate Amendment Number: 10

Cask Model Number: NUHOMS®-61BT

Cask Identification Numbers: NMP61B-004-A, loaded October 29, 2012
NMP61B-005-A, loaded November 5, 2012

UMSS26

The Technical Specifications (TS) for Certificate of Compliance (CoC) No. 1004, Amendment No. 10, §1.1.7 "Special Requirements for First System in Place", requires the results of the temperature measurements of the first Dry Shielded Canister (DSC) placed in service be submitted to the NRC for evaluation and assessment. Additionally, this section of TS requires subsequent users of the system to report heat loads higher than the first user. The first user of the NUHOMS® CoC No. 1004, Duke Energy, submitted the heat transfer characteristics for an 18.95 kilowatt (kW) Dry Shielded Canister (DSC) in a letter to the NRC, from Duke Energy, "Cask Certificate of Compliance, Docket No.: 72-1004, 30-day Report for Higher Canister Heat Loading per General Requirement Section 1.1.7," dated August 8, 2007 (ML072340622). The first DSC loaded at NMPNS had a heat load of 7.30 kW, as reported in our letter dated October 17, 2012.

A summary of the thermal performance of the fourth and fifth DSCs in place at the NMPNS ISFSI is submitted for your information.

Horizontal Storage Module (HSM) Model: NUHOMS® Model 102

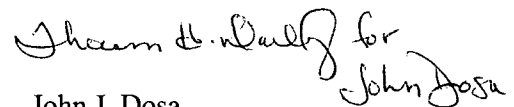
HSM Identification Number: 7DFS-HSM004D
Cask: NMP61B-004-A
Calculated Heat Load: 7.43 kW
Calculated ΔT : 40.0 degrees F
Actual ΔT (Note 1): 26.5 degrees F

HSM Identification Number: 7DFS-HSM004E
Cask: NMP61B-005-A
Calculated Heat Load: 7.45 kW
Calculated ΔT : 40.0 degrees F
Actual ΔT (Note 1): 27.9 degrees F

Note 1: The actual ΔT represents the measured ΔT obtained during equilibrium conditions. Equilibrium conditions were achieved when the daily temperature change observed was less than 6 degrees F over three consecutive days.

This letter contains no NRC commitments. Should you have any questions regarding the information in this submittal, please contact me at (315) 349-5219.

Very truly yours,



John J. Dosa
Director Licensing

cc: NRC Regional Administrator, Region I
NRC Resident Inspector
NRR Project Manager