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NINE MILE POINT
NUCLEAR STATION

September 27, 2013

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

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, Units 1 and 2
Renewed Facility Operating License Nos. DPR-63 and NPF-69
Docket Nos. 50-220 and 50-410
Nine Mile Point Nuclear Station Independent Spent Fuel Storage Installation
General License
Docket No. 72-1036

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

Pursuant to the requirements of 10 CFR 72.212(b)(2), this letter provides the information to register the use of four 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:	Ms. Theresa H. Darling 315-349-2221
Cask Certificate Number:	1004
Certificate Amendment Number:	10
Cask Model Number:	NUHOMS®-61BT
Cask Identification Numbers:	NMP61B-013-A, loaded August 29, 2013 NMP61B-014-A, loaded September 5, 2013 NMP61B-015-A, loaded September 12, 2013 NMP61B-016-A, loaded September 19, 2013

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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 13th through 16th DSCs in place at the NMPNS ISFSI is submitted for your information.

Horizontal Storage Module (HSM) Model:	NUHOMS® Model 102
HSM Identification Number:	7DFS-HSM003C
Cask:	NMP61B-013-A
Calculated Heat Load:	9.04 kW
Calculated ΔT:	48 degrees F
Actual ΔT (Note 1):	45.9 degrees F
HSM Identification Number:	7DFS-HSM003D
Cask:	NMP61B-014-A
Calculated Heat Load:	8.99 kW
Calculated ΔT:	49 degrees F
Actual ΔT (Note 1):	35 degrees F
HSM Identification Number:	7DFS-HSM003E
Cask:	NMP61B-015-A
Calculated Heat Load:	9.02 kW
Calculated ΔT:	48 degrees F
Actual ΔT (Note 1):	24.25 degrees F
HSM Identification Number:	7DFS-HSM003F
Cask:	NMP61B-016-A
Calculated Heat Load:	8.98 kW
Calculated ΔT:	48 degrees F
Actual ΔT (Note 1):	41.75 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) 349-2221.

Sincerely,

Theresa H. Darling
Acting Director Licensing

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