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## NINE MILE POINT NUCLEAR STATION

September 12, 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 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:	Ms. Theresa H. Darling 315-349-2221
Cask Certificate Number:	1004
Certificate Amendment Number:	10
Cask Model Number:	NUHOMS®-61BT
Cask Identification Numbers:	NMP61B-011-A, loaded August 13, 2013 NMP61B-012-A, loaded August 21, 2013

Nine Mile Point Nuclear Station, LLC  
P.O. Box 63, Lycoming, NY 13093

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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 eleventh and twelfth DSCs in place at the NMPNS ISFSI is submitted for your information.

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

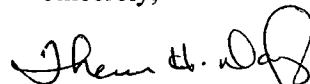
HSM Identification Number: 7DFS-HSM003A  
Cask: NMP61B-011-A  
Calculated Heat Load: 9.07 kW  
Calculated  $\Delta T$ : 48 degrees F  
Actual  $\Delta T$  (Note 1): 39 degrees F

HSM Identification Number: 7DFS-HSM003B  
Cask: NMP61B-012-A  
Calculated Heat Load: 9.02 kW  
Calculated  $\Delta T$ : 49 degrees F  
Actual  $\Delta T$  (Note 1): 28.65 degrees F

Note 1: The actual  $\Delta T$  represents the measured  $\Delta T$  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