



Exelon Generation®

NMP1L 3167
July 7, 2017

10 CFR 72.212(b)(2)

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

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

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 *72-1004*

SUBJECT: 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	Mr. Kenneth J. Kristensen
Providing additional information:	315-349-2069
Cask Certificate Number:	1004
Certificate Amendment Number:	10
Cask Model Number:	NUHOMS®-61BTH
Cask Identification Numbers:	NMP-61BTH-1-A-2-035, loaded June 23, 2017 NMP-61BTH-1-A-2-036, loaded June 30, 2017

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

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30 Day Cask Registration

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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 DSCs 35 and 36 in place at the NMPNS ISFSI is submitted for your information.

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

HSM Identification Number:	7DFS-HSM002G
Cask:	NMP-61BTH-1-A-2-035
Calculated Heat Load:	8.433 kW
Calculated ΔT :	46 degrees F
Actual ΔT (Note 1):	35.9 degrees F

HSM Identification Number:	7DFS-HSM002H
Cask:	NMP-61BTH-1-A-2-036
Calculated Heat Load:	8.426 kW
Calculated ΔT :	44 degrees F
Actual ΔT (Note 1):	33.5 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 Ken Kristensen at (315) 349-2069.

Sincerely,



Dennis M. Moore
Regulatory Assurance Manager, Nine Mile Point Nuclear Station
Exelon Generation Company, LLC

DMM/KJK

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