



# Exelon Generation®

NMP1L 3037  
July 28, 2015

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

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-2-023, loaded July 2, 2015 NMP-61BTH-1-A-2-024, loaded July 9, 2015

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

NMSS 24  
NMSS 26

30 Day Cask Registration

July 28, 2015

Page 2

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 23rd and 24th DSCs in place at the NMPNS ISFSI is submitted for your information.

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

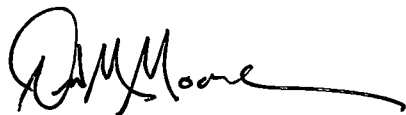
HSM Identification Number:	7DFS-HSM002C
Cask:	NMP-61BTH-1-A-2-023
Calculated Heat Load:	11.6152 kW
Calculated $\Delta T$ :	58 degrees F
Actual $\Delta T$ (Note 1):	36.3 degrees F

HSM Identification Number:	7DFS-HSM002D
Cask:	NMP-61BTH-1-A-2-024
Calculated Heat Load:	11.5685 kW
Calculated $\Delta T$ :	58 degrees F
Actual $\Delta T$ (Note 1):	40.5 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 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