



Exelon Generation®

NMP1L 3173
August 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 one approved spent fuel storage cask 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-2-037, loaded July 8, 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

NM5524
NM5526

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 DSC 37 in place at the NMPNS ISFSI is submitted for your information.

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

HSM Identification Number:	7DFS-HSM002I
Cask:	NMP-61BTH-1-A-2-037
Calculated Heat Load:	8.383 kW
Calculated ΔT :	45 degrees F
Actual ΔT (Note 1):	31.5 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