

LG-18-089

August 7, 2018

ATTN: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Limerick Generating Station, Units 1 and 2
Renewed Facility Operating License Nos. NPF-39 and NPF-85
NRC Docket Nos. 50-352, 50-353, and 72-065

Subject: Registration of Use of Casks to Store Spent Fuel

In accordance with 10 CFR 72.212, "Conditions of general license issued under §72.210," paragraph (b)(2), Exelon Generation Company, LLC (EGC) is registering, with the NRC, the use of three casks under the general license to store spent fuel at Limerick Generating Station (LGS). The casks were placed into service with stored spent fuel on July 13, 2018, July 19, 2018 and July 27, 2018. This registration is required to be submitted within 30 days of the cask in-service date. Accordingly, this submittal is due by August 12, 2018.

The following information is provided in accordance with 10 CFR 72.212(b)(2).

Licensee Name: Licensee Address: Exelon Generation Company, LLC
Limerick Generating Station
3146 Sanatoga Road
Pottstown, PA 19464

Renewed Reactor License Numbers: NPF-39 and NPF-85

Reactor Docket Numbers: 50-352, 50-353

Independent Spent Fuel Storage
Installation Docket Number: 72-065

Contact Name and Title: Robert B. Dickinson
Manager - Regulatory Assurance

Cask Certificate Number:	1004, Amendment 10
Cask Model Number:	NUHOMS-61BTH
HSM Model Number:	HSM-H
Service Date:	July 13, 2018
Cask Identification Number:	LGS-61BTH1-D-2H-044
HSM Identification Number:	HSM-048
Service Date:	July 19, 2018
Cask Identification Number:	LGS-61BTH1-D-2H-045
HSM Identification Number:	HSM-050
Service Date:	July 27, 2018
Cask Identification Number:	LGS-61BTH1-D-2H-046
HSM Identification Number:	HSM-052

In addition, this letter provides information for each DSC that is required by Certificate of Compliance (CoC) No. 1004, Amendment No.10, Attachment A, "Technical Specifications" (TS) 1.1.7, "Special Requirements for First System in Place." Specifically, TS 1.1.7 requires the submittal of a thermal performance assessment for all DSCs that are loaded with higher heat loads than previously reported. The attachment to this letter provides this information for the DSCs listed above. This information was obtained using LGS procedure ST-6-114-360-0, "Independent Spent Fuel Storage Installation (ISFSI) Technical Specification Testing."

If you have any questions concerning this report, please contact Mr. Robert Dickinson at 610-718-3400.

Respectfully,



Richard W. Libra
Vice President - Limerick Generating Station
Exelon Generation Company, LLC

Attachment: Thermal Performance Assessment Data, Limerick Generating Station,
Independent Spent Fuel Storage Installation, 2018 Dry Cask Storage Campaign

cc: Administrator Region 1 - USNRC
USNRC Senior Resident Inspector, LGS
NRC Project Manager, NRA - Limerick Generating Station (LGS)
Decommissioning Branch Chief - NAC Region I
R.R. Janati, Commonwealth of Pennsylvania

Attachment
Thermal Performance Assessment Data
Limerick Generating Station
Independent Spent Fuel Storage Installation
2017 Dry Cask Storage Campaign

Dry Storage Canister Number	LGS-61BTH-1-D-2H-044
Horizontal Storage Module Number	HSM-048
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.25 kW
Calculated Temperature Rise	45.0° F
Measured Temperature Rise	17.1° F

Dry Storage Canister Number	LGS-61BTH-1-D-2H-045
Horizontal Storage Module Number	HSM-050
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	15.51 kW
Calculated Temperature Rise	47.0° F
Measured Temperature Rise	23.5° F

Dry Storage Canister Number	LGS-61BTH-1-D-2H-046
Horizontal Storage Module Number	HSM-052
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.99 kW
Calculated Temperature Rise	45.0° F
Measured Temperature Rise	30.6° F