Exelon Generation®

10 CFR 72.212

LG-16-102

August 25, 2016

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 26, 2016, August 8, 2016 and August 15, 2016. This registration is required to be submitted within 30 days of the cask in-service date. Accordingly, this submittal is due by August 25, 2016.

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

Licensee Name:	Exelon Generation Company, LLC
Licensee Address:	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 26, 2016**
Cask Identification Number:	LGS-61BTH1-D-2-036
HSM Identification Number:	HSM-035
Service Date:	**August 8, 2016**
Cask Identification Number:	LGS-61BTH1-D-2-037
HSM Identification Number:	HSM-031
Service Date:	**August 15, 2016**
Cask Identification Number:	LGS-61BTH1-D-2-038
HSM Identification Number:	HSM-030

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."

Should you have any questions, please contact Mr. Robert B. Dickinson at (610) 718-3400.

Respectfully,

For RWL

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, 2016 Dry Cask Storage Campaign

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

Attachment
Thermal Performance Assessment Data
Limerick Generating Station
Independent Spent Fuel Storage Installation
2016 Dry Cask Storage Campaign

Dry Storage Canister Number	LGS-61BTH1-D-2-036
Horizontal Storage Module Number	HSM-035
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.65 kW
Calculated Temperature Rise	45.0º F
Measured Temperature Rise	35.4º F

Dry Storage Canister Number	LGS-61BTH1-D-2-037
Horizontal Storage Module Number	HSM-031
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	15.11 kW
Calculated Temperature Rise	48.0º F
Measured Temperature Rise	11.6º F

Dry Storage Canister Number	LGS-61BTH1-D-2-038
Horizontal Storage Module Number	HSM-030
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	15.67 kW
Calculated Temperature Rise	47.0º F
Measured Temperature Rise	30.4º F