

10 CFR 72.212

RS-13-171

July 11, 2013

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

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

Subject: Registration of Use of Cask 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 June 15, 2013, June 21, 2013, and June 28, 2013, respectively. This registration is required to be submitted within 30 days. Accordingly, this submittal is due by July 15, 2013.

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
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:	P. R. Simpson Manager - Licensing

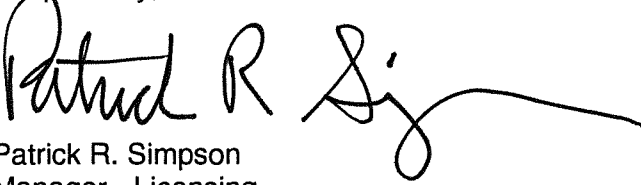
Cask Certificate Number:	1004, Amendment 10
Cask Model Number:	NUHOMS-61BTH
HSM Model Number:	HSM 202
<b>Service Date:</b>	<b>June 15 2013</b>
Cask Identification Number:	LGS-61BTH-1-C-2-023
HSM Identification Number:	HSM-005
<b>Service Date:</b>	<b>June 21, 2013</b>
Cask Identification Number:	LGS-61BTH-1-C-2-022
HSM Identification Number:	HSM-003
<b>Service Date:</b>	<b>June 28 2013</b>
Cask Identification Number:	LGS-61BTH-1-C-2-021
HSM Identification Number:	HSM-001

In addition, this letter provides the results of the thermal performance assessment of the first Dry Storage Canister (DSC) placed into service. This information 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."

TS 1.1.7 also requires the submittal of the same information for subsequently loaded DSCs with higher heat loads. The attachment to this letter provides the information required by TS 1.1.7 for the three 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. John L. Schrage at (630) 657-2821.

Respectfully,



Patrick R. Simpson  
Manager - Licensing

Attachment: Thermal Performance Assessment Data, Limerick Generating Station,  
Independent Spent Fuel Storage Installation, 2013 Dry Cask Storage Campaign

cc: NRC Regional Administrator - Region I

Attachment  
Thermal Performance Assessment Data  
Limerick Generating Station  
Independent Spent Fuel Storage Installation  
2013 Dry Cask Storage Campaign

Dry Storage Canister Number	LGS-61BTH-1-C-2-023
Horizontal Storage Module Number	HSM-005
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.10 kW
Calculated Temperature Rise	44.00° F
Measured Temperature Rise	23.40° F

Dry Storage Canister Number	LGS-61BTH1-C-2-022
Horizontal Storage Module Number	HSM-003
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.46 kW
Calculated Temperature Rise	45.00° F
Measured Temperature Rise	13.95° F

Dry Storage Canister Number	LGS-61BTH1-C-2-021
Horizontal Storage Module Number	HSM-001
Maximum Allowable Heat Load	19.40 kW
Actual Loaded Heat Load	14.54 kW
Calculated Temperature Rise	45.00° F
Measured Temperature Rise	39.60° F