



Exelon Generation Company, LLC

Braidwood Station
35100 South Route 53, Suite 84
Braceville, IL 60407-9619

www.exeloncorp.com

May 23, 2016
BW160040

10 CFR 72.212

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

Braidwood Station, Units 1 and 2
Renewed Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457
ISFSI Docket No. 72-73

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 Nuclear Regulatory Commission, the use of two casks under the general license to store spent fuel at Braidwood Station. The initial use of these casks to store spent fuel occurred on April 26, 2016 and May 11, 2016. This registration is required to be submitted within 30 days. Accordingly, this submittal is due by May 26, 2016.

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

| | |
|--|---|
| Licensee Name | Exelon Generation Company, LLC |
| Licensee Address | Braidwood Station 35100 S. Route 53, Suite 84 Braceville, IL 60407-9619 |
| Reactor License Number | NPF-72 and NPF-77 |
| Reactor Docket Number | 50-456 and 50-457 |
| Independent Spent Fuel Storage Installation Docket Number | 72-73 |

Contact Person and Title

S. Reynolds
Regulatory Assurance Manager

Cask Certificate Number
Cask Model Number

1014, Amendment 9
HI-STORM 100S, Version B

April 26, 2016

Cask Identification Number

Multi-Purpose Canister Type 32, Serial No. 0240
HI-STORM 100 Serial No. 0627

May 11, 2016

Cask Identification Number

Multi-Purpose Canister Type 32, Serial No. 0243
HI-STORM 100 Serial No. 0622

Should you have any questions, please contact Mr. Steven Reynolds, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,



Marri Marchionda-Palmer
Site Vice President
Braidwood Station

cc: NRC Regional Administrator – Region III