

Exelon Generation Company, LLC www.exeloncorp.com
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

10 CFR 72.212

December 15, 2010
Byron Ltr 2010-0151
File: 1.10.0101
5F.104

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Director, Spent Fuel Project Office, NMSS
Washington, DC 20555-0001

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF 37 and NPF-66
NRC Docket Nos. STN 50-454, STN 50-455 and 72-68

Subject: Registration of Use of Casks to Store Spent Fuel

In accordance with 10 CFR 72.212, "Condition of general license issued under 10 CFR 72.210," paragraph (b)(1)(ii), we are registering with the NRC the use of three casks under the general license to store spent fuel at Byron Station. This registration is required to be submitted within 30 days.

The following information is provided in accordance with 10 CFR 72.212 (b)(1)(ii).

Licensee Name	Exelon Generation Company, LLC
Licensee Address	4450 North German Church Road Byron, Illinois 61010
Reactor License Number	NPF 37 and NPF 66
Reactor Docket Number	50-454 and 50-455
Contact Person Name	David Gudger Regulatory Assurance Manager
Casks Certificate Number	1014, Amendment 3
Casks Model Number	HI-STORM 100S

Cask Identification Number

Multi-Purpose Canister Type 32
Serial Number 116,
HI-STORM 100S Serial Number 0385.
Placed in ISFSI November 22, 2010.

Cask Identification Number

Multi-Purpose Canister Type 32
Serial Number 114.
HI-STORM 100S Serial Number 0380.
Placed in ISFSI December 6, 2010.

There are no regulatory commitments contained in this letter. Should you have any questions concerning this submittal, please contact Mr. David Gudger, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "Daniel J. Enright". The signature is fluid and cursive, with a large, stylized initial "D".

Daniel J. Enright
Site Vice President
Byron Station

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