



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 26, 2016

Mr. George H. Gellrich
Vice President
Exelon Generation Company, LLC
1650 Calvert Cliffs Parkway
Lusby, MD 20657

SUBJECT: ISSUANCE OF AMENDMENT NO. 11 TO RENEWED MATERIALS LICENSE
NO. SNM-2505 FOR THE CALVERT CLIFFS SPECIFIC INDEPENDENT
SPENT FUEL STORAGE INSTALLATION (TAC NO. L24912)

Dear Mr. Gellrich:

By letter dated March 26, 2014, as supplemented July 25, October 10, and December 3, 2014, and February 3, and March 10, September 11, September 25, and November 17, 2015, Exelon Generation Company, LLC (Exelon Generation), submitted amendment request No. 11 to the U.S. Nuclear Regulatory Commission (NRC) for Renewed Materials License No. SNM-2505 for the Calvert Cliffs Independent Spent Fuel Storage Installation (ISFSI). The amendment authorizes the following:

- a. Maximum fuel assembly average initial enrichment of 5 weight percent U-235.
- b. Expansion of the ISFSI total capacity from 120 horizontal storage modules (HSMs) to 132 HSMs on the existing site.
- c. A new 32PHB Dry Shielded Canister (DSC) design and a new HSM-HB for use at the CCNPP ISFSI.
- d. Storage of Westinghouse and AREVA Combustion Engineering 14X14 fuel in the NUHOMS®-32PHB Dry Shielded Canister system

Based on our review of your application, as revised and supplemented, the NRC staff has determined that there is reasonable assurance that: (i) the activities authorized by the amended license can be conducted without endangering the health and safety of the public and (ii) these activities will be conducted in compliance with the applicable regulations of 10 CFR Part 72. The staff finds that Amendment Request No. 11 to Renewed Materials License No. SNM 2505 meets the requirements for a categorical exclusion per 10 CFR 51.22(c)(11), and therefore, pursuant to § 51.22(b), an environmental assessment or environmental impact statement is not required.

The NRC has approved the requested amendment. The amended license supersedes in its entirety Renewed Materials License No. SNM-2505, dated October 23, 2014. Changes made to the attached Materials License are indicated by vertical lines in the right margin. A revised TS is also attached, and changes are also indicated by vertical lines in the right margin.

Issuance of Amendment No. 11 closes TAC No. L24912.

If you have any questions, please contact me at (301) 415-6933.

Sincerely,

/RA/

John M. Goshen, P.E., Project Manager
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-8

TAC No.: L24912

Enclosures: As stated

cc: CCNPP Service List (w/o enclosure)

G. Gellrich

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John M. Goshen, P.E., Project Manager
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Office of Nuclear Material Safety
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TAC No.: L24912

Enclosures: As stated

cc: CCNPP Service List (w/o enclosure)

This closes out TAC No. L24912

ADAMS Accession No.:	Package	ML16081A246
	Letter of issuance	ML16081A251
	Order	ML16081A262
	Amendment 11 Lic.	ML16081A258
	Tech. Spec.	ML16081A274
	SER	ML16091A297

OFC:	DSFM	DSFM	DSFM	DSFM	DSFM	DSFM
NAME:	JGoshen	WWheatley	ASotomayor-Rivera	SEverard	DTarantino	JChang
DATE:	1/ 27 /2016	3/17 /2016	1/28/2016	1/28 /2016	1/28/2016	1/28/2016
OFC:	DSFM	DSFM	DSFM	DSFM	OGC	DSFM
NAME:	JBorowski	JPiotter	ACsontos	MRahimi	LLondon	SRuffin
DATE:	1/29/2016	3/30 /2016	3/ 28 /2016	3/22 /2016	4/16 /2016	4/26/2016

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Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, ISFSI

cc:

President
Calvert County Board of
Commissioners
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Prince Frederick, MD 20678

NRC Resident Inspector
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