



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

May 3, 2017

Dr. Jayant Bondre, Vice President  
and Chief Technology Officer  
TN Americas, LLC  
7135 Minstrel Way, Suite 300  
Columbia, MD 21045

SUBJECT: ISSUANCE OF CERTIFICATE OF COMPLIANCE NO. 1042, INITIAL  
CERTIFICATE, FOR THE NUHOMS® EOS STORAGE SYSTEM  
(CAC NO. L25028)

Dear Dr. Bondre:

By letter dated June 16, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15173A379), as supplemented on July 30, 2015 (ADAMS Accession No. ML15223A204), December 18, 2015 (ADAMS Accession No. ML15364A399), April 7, 2016 (ADAMS Accession No. ML16111A670), June 13, 2016 (ADAMS Accession No. ML16169A044), and July 28, 2016 (ADAMS Accession No. ML16215A015), AREVA Inc. (now TN Americas, LLC) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) to obtain a certificate of compliance (CoC) for the NUHOMS® EOS dry spent fuel storage system to provide horizontal storage of high burnup spent pressurized water reactor and boiling water reactor fuel assemblies in dry shielded canisters. The certificate, when codified through rulemaking, will be denoted as CoC No. 1042, Initial Certificate (Amendment No. 0).

As stated in the *Federal Register* (82 FR 14987, 3/24/2017), the effective date of this CoC is June 7, 2017. The NRC's safety evaluation report (SER) for this CoC (including Appendix A, Technical Specifications) is enclosed. This certificate constitutes the approval and conditions for use of THE NUHOMS® EOS Horizontal Modular Storage System for Irradiated Nuclear Fuel Storage System for storage of spent nuclear fuel under the general licensing provisions of 10 CFR 72.210.

If you have any questions regarding this certificate, please contact me at (301) 415-1018.

Sincerely,

/RA/

Yen-Ju Chen, Senior Project Manager  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1042  
CAC No.: L25028

Enclosures:

1. CoC No. 1042, Amendment 0
2. Safety Evaluation Report

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Letter: G:\SFST\TN EOS\CoC to TN\CoC Transmittal Letter.doc

CoC: G:\SFST\TN EOS\CoC to TN\CoC-1042 AMD\_0.docx

CoC Attachment: Appendix A: ML16242A022

SER: G:\SFST\TN EOS\CoC to TN\CoC-1042 SER.docx

**ADAMS Package No.: ML17116A277**

OFC	DSFM	DSFM	DSFM	
NAME	WWheatley	YChen	JMcKirgan	
DATE	4/26/2017	5/1/2017	5/3/2017	

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