



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

November 30, 2016

MEMORANDUM TO: Kimyata Morgan-Butler, Chief
Rulemaking and Project Management Branch
Division of Materials Safety, States, Tribal, and Rulemaking
Office of Nuclear Material Safety
and Safeguards

FROM: John McKirgan, Chief /RA/
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: USER NEED FOR RULEMAKING FOR THE PROPOSED
CERTIFICATE OF COMPLIANCE NO. 1042

The following information is being provided to request rulemaking support for the following Division of Spent Fuel Management (DSFM) Title 10 of the *Code of Federal Regulations* (10 CFR) Part 72 licensing activity:

1. Add to 10 CFR 72.214 rule text a new certificate:

Certificate Number: 1042

Initial Certificate Effective Date: [insert 75 days from date of FR publication]

SARs Submitted by: TN Americas LLC

SAR Title: Final Safety Analysis Report for the NUHOMS® EOS Dry Spent Fuel Storage System

Docket Number: 72-1042

Certificate Expiration Date: [insert 20 years from the effective date]

Model Numbers: NUHOMS® EOS

2. On June 16, 2015, as supplemented on July 30, 2015, December 18, 2015, April 7, 2016, June 13, 2016, and July 28, 2016, TN Americas LLC submitted an application to the U.S. Nuclear Regulatory Commission to approve the NUHOMS® EOS System Certificate of Compliance (CoC) No. 1042 under 10 CFR Part 72 Subpart K, General License for Storage of Spent Fuel at Power Reactor Sites. The NUHOMS® EOS System provides horizontal storage of high burnup spent pressurized water reactor (PWR) and boiling water reactor (BWR) fuel assemblies in dry shielded canisters (DSCs) with enhanced shielding and heat rejection capabilities.

CONTACT: Yen-Ju Chen, NMSS/DSFM
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The HUHOM® EOS System consists of the following major components:

- EOS horizontal storage module (HSM), EOS-HSM
 - PWR DSC, EOS-37PTH DSC
 - BWR DSC, EOS-89BTH DSC
 - EOS transfer cask (TC), EOS-TC
3. The proposed CoC and Technical Specifications and preliminary safety evaluation report have been placed in Agencywide Document Access and Management System (ADAMS) (see references below) and are available for your use in the rulemaking package. DSFM will designate these documents as Official Agency Records after the Executive Director for Operations has approved the package (ADAMS Package No. ML16239A367).

The Office of the General Counsel has reviewed this memorandum with its referenced documents and has no legal objection to its contents.

Docket No. 72-1042

CAC No. L25028

ADAMS References:

1. Proposed CoC No. 1042 (ML16242A021)
2. Proposed CoC No. 1042 Appendix A (ML16242A022)
3. Preliminary CoC No. 1042 SER (ML16242A023)

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ADAMS Accession No. ML16239A372 (Memo); Package: ML16239A367

This closes out CAC L25028

OFC	DSFM	DSFM	QTE	DSFM	DSFM	DSFM	DSFM	DSFM
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DATE	8/5/2016	8/29/2016	8/22/2016	8/12/2016	8/25/2016	8/23/2016	8/8/2016	8/25/2016
OFC	DSFM	DSFM	DSFM	DSFM	DSFM	DSFM	OGC	DSFM
NAME	JWise/ DDunn (email)	ELove (email)	JPiotter (email)	MRahimi (email)	JWise (email)	PSilva (email)	PJehle NLO (email)	JMcKirgan
DATE	8/19/2016 8/25/2016	8/25/2016	8/23/2016	9/1/2016	8/19/2016	8/29/2016	11/29/2016	11/30/2016

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