



August 15, 2017
E-49389

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Subject: Final Safety Analysis Report (FSAR) for the NUHOMS[®] EOS System
Reference: Letter from Yen-Ju Chen (NRC) to Dr. Jayant Bondre (TN), Issuance of Certificate of Compliance No. 1042, Initial Certificate, for the NUHOMS[®] EOS Storage System (CAC No. L25028), May 3, 2017 (ML17116A277)

The referenced letter forwarded Certificate of Compliance No. 1042 for the NUHOMS[®] EOS System, with an effective date of 06/07/2017. In accordance with 10 CFR 72.248(a)(1), TN Americas LLC herewith submits an original final safety analysis report (FSAR) for the NUHOMS[®] EOS System. This Revision 0 version of the FSAR is based on the latest issued Safety Analysis Report (Revision 7, dated July 2016) submitted with the application and reflects changes developed during the cask design review process.

This submittal includes proprietary information which may not be used for any purpose other than NRC staff use of the FSAR. In accordance with 10 CFR 2.390, I am providing an affidavit (Enclosure 1) specifically requesting that you withhold this proprietary information from public disclosure. This submittal also includes security-related information which should be withheld under 10 CFR 2.390. The Proprietary version of the FSAR is provided as Enclosure 2. The public version is provided as Enclosure 3.

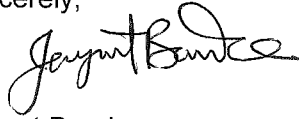
This submittal is being provided as an electronic submission, using the optical storage media (OSM) provision from Section 4 of the NRC Guidance for Electronic Submissions to the NRC. Accordingly, we have included a Document Components listing and OSM#1 and OSM#2 listings at the end of this cover letter.

Should NRC staff have any questions or require additional information regarding this submittal, please contact Mr. Dennis Williford by telephone at (704) 805-2223, or by email at Dennis.Williford@areva.com.

TN AMERICAS LLC

7135 Minstrel Way, Suite 300, Columbia, Maryland 21045
Tel.: 410 910 6900 - Fax: 410 910 6902 - www.us.aveva.com/TNAmericas

Sincerely,



Jayant Bondre
Chief Technical Officer

cc: Yen-Ju Chen (NRC SFM) three computer disks each containing the entire submittal (labeled OSM#1):

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. Final Safety Analysis Report for the NUHOMS[®] EOS System, Revision 0 (Proprietary Version)
3. Final Safety Analysis Report for the NUHOMS[®] EOS System, Revision 0 (Public Version)

Document Components:

- 001 Public Transmittal Letter.pdf, 378,855 bytes
- 002 Public Enc 1 Affidavit.pdf, 220,022 bytes

- 003 SUNSI Encl 2 FSAR R0 Cover to Ch 3.pdf, 27,905,252 bytes
- 004 SUNSI Encl 2 FSAR R0 App 3.9.1 to 3.9.7.pdf, 100,401,859 bytes
- 005 SUNSI Encl 2 FSAR R0 Ch 4.pdf, 99,998,930 bytes
- 006 SUNSI Encl 2 FSAR R0 App 4.9.1 to 4.9.4.pdf, 25,019,957 bytes
- 007 SUNSI Encl 2 FSAR R0 Ch 5 to 14.pdf, 30,796,513 bytes

- 008 Public Encl 3 FSAR R0 Cover to Ch 3.pdf, 12,352,523 bytes
- 009 Public Encl 3 FSAR R0 App 3.9.1 to 3.9.7.pdf, 67,418,399 bytes
- 010 Public Encl 3 FSAR R0 Ch 4.pdf, 58,431,024 bytes
- 011 Public Encl 3 FSAR R0 App 4.9.1 to 4.9.4.pdf, 4,085,774 bytes
- 012 Public Encl 3 FSAR R0 Ch 5 to 14.pdf, 23,400,168 bytes

OSM#1 (Entire Submittal) (DVD):

001 Public Transmittal Letter.pdf, 378,855 bytes
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003 SUNSI Encl 2 FSAR R0 Cover to Ch 3.pdf, 27,905,252 bytes
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006 SUNSI Encl 2 FSAR R0 App 4.9.1 to 4.9.4.pdf, 25,019,957 bytes
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011 Public Encl 3 FSAR R0 App 4.9.1 to 4.9.4.pdf, 4,085,774 bytes
012 Public Encl 3 FSAR R0 Ch 5 to 14.pdf, 23,400,168 bytes

OSM#2 (Public Information Only) (DVD):

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008 Public Encl 3 FSAR R0 Cover to Ch 3.pdf, 12,352,523 bytes
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