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February 15, 2018
E-50547

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

Subject: Application for Amendment 1 to the NUHOMS® EOS System,
Revision 0 (Docket No. 72-1042)

In accordance with 10 CFR 72.244, TN Americas LLC herewith submits its application to amend Certificate of Compliance (CoC) 1042 for the NUHOMS® EOS System. The scope of Amendment 1 is described in Enclosure 2. Enclosure 3 includes a mark-up of proposed changes to the CoC document. Enclosure 4 provides a complete revision to the Technical Specifications (TS) with proposed changes annotated. The proprietary version of the Updated Final Safety Analysis Report (UFSAR) changed pages and drawings associated with Amendment 1 are included as Enclosure 5 with a footer on each changed page annotated as "72-1042 Amendment 1, Revision 0, February 2018." The public version of these UFSAR changed pages is provided as Enclosure 6.

Certain portions of this submittal include proprietary information, which may not be used for any purpose other than to support the NRC staff's review of the application. In accordance with 10 CFR 2.390, TN Americas LLC is providing an affidavit (Enclosure 1), specifically requesting that this proprietary information be withheld from public disclosure. The submittal also includes security-related information.

With the exception of Enclosure 8, public versions of portions containing proprietary and/or security-related information are provided. Enclosure 7 provides a listing of the computer files associated with CoC 1042 Amendment 1. Enclosure 8 contains the computer files associated with this amendment submittal. Since Enclosure 8 contains entirely proprietary information, no public version is provided.

TN Americas LLC has a contract with one of our existing customers who desires to use the changes to CoC 1042 described in this amendment application. TN Americas LLC requests that the staff assign appropriate priority for review of this application, consistent with the issuance of a request for additional information, if needed, in order for Amendment 1 to become final effective within 15 months (by May 15, 2019).

Enclosures transmitted herein contain SUNSI. When separated from enclosures, this transmittal document is decontrolled.

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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, OSM #2, and OSM #3 listings at the end of this cover letter.

TN Americas LLC looks forward to working with the NRC staff on this amendment application. We are prepared to meet with the staff to resolve any questions the staff might have. Should the NRC staff require additional information to support review of this application, please do not hesitate to contact Mr. Dennis Williford at 704-805-2223, or me at 410-910-6881.

Sincerely,



Jayant Bondre
Chief Technical Officer

cc: Chris Jacobs (NRC SFM) as follows:

- One paper copy of this cover letter
- Six computer disks containing this cover letter and Enclosures 1 through 7
- One hard drive with Enclosure 8

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. Description, Justification, and Evaluation of Amendment 1 Changes
3. Proposed Certificate of Compliance No. 1042 Amendment 1, Revision 0 Markup
4. Proposed Technical Specifications, CoC 1042 Amendment 1, Revision 0
5. Proposed Amendment 1, Revision 0 Changes to the NUHOMS[®] EOS System Updated Final Safety Analysis Report (Proprietary and Security-Related Version)
6. Proposed Amendment 1, Revision 0 Changes to the NUHOMS[®] EOS System Updated Final Safety Analysis Report (Public Version)
7. Listing of Computer Files Contained in Enclosure 8
8. Certain Computer Files Associated with Certificate of Compliance 1042 Amendment 1 (Proprietary) (contained on one hard drive)

Document Components:

001 Public Transmittal Letter.pdf, 914,285 bytes
002 Public Encl 1 Affidavit.pdf, 756,910 bytes
003 Public Encl 2 Description etc Amd 1.pdf, 82,382 bytes
004 Public Encl 3 Proposed Amd 1 CoC Markup.pdf, 240,394 bytes
005 Public Encl 4 Proposed Amd 1 Tech Specs.pdf, 1,181,436 bytes
006 SUNSI Encl 5 Proposed Amd 1 UFSAR Changes Ch 1 to 14.pdf, 28,157,436 bytes
007 SUNSI Encl 5 Proposed Amd 1 UFSAR Changes Ch A1 to A14.pdf, 67,206,744 bytes
008 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch 1 to 14.pdf, 11,432,532 bytes
009 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch A1 to A14.pdf, 36,026,852 bytes
010 Public Encl 7 List of files on Encl 8.pdf, 98,058 bytes
011 SUNSI Encl 8 Computer Files Associated with Amd 1 (hard drive), 90,386,804,736 bytes,
Proprietary

OSM#1 (Entire submittal except for the portable hard drive) (Disk):

001 Public Transmittal Letter.pdf, 914,285 bytes
002 Public Encl 1 Affidavit.pdf, 756,910 bytes
003 Public Encl 2 Description etc Amd 1.pdf, 82,382 bytes
004 Public Encl 3 Proposed Amd 1 CoC Markup.pdf, 240,394 bytes
005 Public Encl 4 Proposed Amd 1 Tech Specs.pdf, 1,181,436 bytes
006 SUNSI Encl 5 Proposed Amd 1 UFSAR Changes Ch 1 to 14.pdf, 28,157,436 bytes
007 SUNSI Encl 5 Proposed Amd 1 UFSAR Changes Ch A1 to A14.pdf, 67,206,744 bytes
008 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch 1 to 14.pdf, 11,432,532 bytes
009 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch A1 to A14.pdf, 36,026,852 bytes
010 Public Encl 7 List of files on Encl 8.pdf, 98,058 bytes

OSM#2 (Enclosure 8 portable hard drive):

011 SUNSI Encl 8 Computer Files Associated with Amd 1 (hard drive), 90,386,804,736 bytes,
Proprietary

OSM#3 (Public Information Only) (Disk):

001 Public Transmittal Letter.pdf, 914,285 bytes
002 Public Encl 1 Affidavit.pdf, 756,910 bytes
003 Public Encl 2 Description etc Amd 1.pdf, 82,382 bytes
004 Public Encl 3 Proposed Amd 1 CoC Markup.pdf, 240,394 bytes
005 Public Encl 4 Proposed Amd 1 Tech Specs.pdf, 1,181,436 bytes
008 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch 1 to 14.pdf, 11,432,532 bytes
009 Public Encl 6 Proposed Amd 1 UFSAR Changes Ch A1 to A14.pdf, 36,026,852 bytes
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