



Columbia Office  
7135 Minstrel Way  
Columbia, MD 21045  
Tel: (410) 910-6900  
@Orano\_USA

August 30, 2018  
E-52372

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

Subject: Acceptance Review (Continued) of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 1, to the NUHOMS® EOS System, Revision 2 – Response to Second Request for Supplemental Information (Docket No. 72-1042, CAC No. 001028, EPID: L-2018-LLA-0043)

Reference: (1) NRC Conversation Record by Christian Jacobs (NRC), "Clarification Call with TN Americas LLC (TN) on Responses to Request for Supplemental Information (RSI) in Regard to TN CoC 1042 EOS Amendment 1," dated July 19, 2018.

(2) Letter from Christian Jacobs (NRC) to Prakash Narayanan (TN Americas LLC), "Acceptance Review (Continued) of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 1, to NUHOMS® EOS System (Docket No. 72-1042, CAC No. 001028, EPID: L-2018-LLA-0043) – Request for Supplemental Information," dated August 1, 2018.

This submittal provides responses to the Request for Supplemental Information (RSI) forwarded by Reference 2. These responses are based primarily on a clarification call held with the NRC on July 17, 2018 and documented in the conversation record listed in Reference 1. Enclosure 2 provides a response to each of the RSIs listed in Reference 2. Each RSI response has a section stating the impact of the response on the application, both the Technical Specifications (TS) and the Updated Final Safety Analysis Report (UFSAR), indicating which sections, tables, figures, or drawings, have been changed. Enclosure 3 provides a list of additional changes to the UFSAR and TS not associated with the RSI responses. Enclosure 3 is proprietary; a public version is provided in Enclosure 9. Enclosure 4 provides a listing of the CoC 1042 Amendment 1 TS changes, along with a justification, resulting from these RSI responses. Enclosure 5 provides a list of changed TS and UFSAR pages. Enclosure 6 provides a complete update to the

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

TS, denoted as Amendment 1 Application, Revision 2. Enclosure 7 provides the UFSAR changed pages and drawings associated with this Amendment 1 Application, Revision 2. A public version of this enclosure is provided in Enclosure 8. The UFSAR changed pages with a footer on each changed page annotated as "72-1042 Amendment 1, Revision 2, August 2018."

Technical Specifications and UFSAR changes are tracked and indicated by revision bars and italicized text. The new changes associated with the RSI responses are further annotated with rectangles enclosing the changed areas and an indication of which RSI is associated with the changes.

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.

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.

TN Americas LLC is prepared to meet with the staff to resolve any additional questions the staff might have. Should the NRC staff require additional information to support review of this application, please contact Mr. Dennis Williford by telephone at (704) 805-2223, or by email at [Dennis.Williford@orano.group](mailto:Dennis.Williford@orano.group).

Sincerely,

 DONIS L. SHAW

for Prakash Narayanan  
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 9 (i.e., OSM #1 disks)
- Two electronic copies (computer disks) of the NUHOMS® EOS System UFSAR with embedded Amendment 1 Proposed Changes (Rev. 0, Rev. 1 and Rev. 2)

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. RSIs and Responses
3. Additional Changes Not Associated with the RSIs (Proprietary Version)
4. List of New CoC 1042 Amendment 1 Technical Specification Changes and Justifications
5. List of Changed TS and UFSAR Pages Involved in CoC 1042 Amendment 1, Revision 2
6. CoC 1042 Proposed Amendment 1, Revision 2 Technical Specifications
7. CoC 1042 Amendment 1, Revision 2 UFSAR Changed Pages (Proprietary and Security-Related Version)
8. CoC 1042 Amendment 1, Revision 2 UFSAR Changed Pages (Public Version)
9. Additional Changes Not Associated with the RSIs (Public Version)

**Document Components:**

001 Public Transmittal Letter.pdf, 1,037,645 bytes  
002 Public Encl 1 Affidavit.pdf, 811,155 bytes  
003 Public Encl 2 RSIs and Responses.pdf, 74,914 bytes  
004 SUNSI Encl 3 Additional Non-RSI Changes.pdf, 93,745 bytes, Proprietary  
005 Public Encl 4 List of TS changes.pdf, 53,647 bytes  
006 Public Encl 5 List of changed pages.pdf, 64,607 bytes  
007 Public Encl 6 Technical Specifications.pdf, 1,140,991 bytes  
008 SUNSI Encl 7 Changed UFSAR pages.pdf, 13,982,292 bytes, Proprietary  
009 Public Encl 8 Changed UFSAR pages.pdf, 6,008,345 bytes  
010 Public Encl 9 Additional Non-RSI Changes.pdf, 78,484 bytes

**OSM#1 (Entire submittal) (Disk):**

001 Public Transmittal Letter.pdf, 1,037,645 bytes  
002 Public Encl 1 Affidavit.pdf, 811,155 bytes  
003 Public Encl 2 RSIs and Responses.pdf, 74,914 bytes  
004 SUNSI Encl 3 Additional Non-RSI Changes.pdf, 93,745 bytes, Proprietary  
005 Public Encl 4 List of TS changes.pdf, 53,647 bytes  
006 Public Encl 5 List of changed pages.pdf, 64,607 bytes  
007 Public Encl 6 Technical Specifications.pdf, 1,140,991 bytes  
008 SUNSI Encl 7 Changed UFSAR pages.pdf, 13,982,292 bytes, Proprietary  
009 Public Encl 8 Changed UFSAR pages.pdf, 6,008,345 bytes  
010 Public Encl 9 Additional Non-RSI Changes.pdf, 78,484 bytes

**OSM#2 (Public Information Only) (Disk):**

001 Public Transmittal Letter.pdf, 1,037,645 bytes  
002 Public Encl 1 Affidavit.pdf, 811,155 bytes  
003 Public Encl 2 RSIs and Responses.pdf, 74,914 bytes  
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