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October 29, 2019
E-55201

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

Subject: Acceptance Review of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 2, to NUHOMS® EOS System, Revision 3 (Docket No. 72-1042, CAC No. 001028, EPID: L-2019-LLA-0078) - Supplemental Information

References: [1] Letter E-55112, dated October 2, 2019, from Prakash Narayanan (TN Americas LLC), Acceptance Review of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 2, to NUHOMS® EOS System, Revision 2 (Docket No. 72-1042, CAC No. 001028, EPID: L-2019-LLA-0078) - Supplemental Information

[2] Letter E-54692, dated August 5, 2019, from Don Shaw, Acceptance Review of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 2, to NUHOMS® EOS System, Revision 1 (Docket No. 72-1042, CAC No. 001028, EPID: L-2019-LLA-0078) – Response to Request for Supplemental Information

[3] Letter from Christian Jacobs (NRC) to Prakash Narayanan (TN Americas LLC), "Acceptance Review of TN Americas LLC Application for Certificate of Compliance No. 1042, Amendment No. 2, to NUHOMS® EOS System (Docket No. 72-1042, CAC No. 001028, EPID: L-2019-LLA-0078) – Request for Supplemental Information," dated June 28, 2019

[4] Letter E-54364, dated June 19, 2019, from Prakash Narayanan, Application for Amendment 1 to NUHOMS® EOS Certificate of Compliance No. 1042, Revision 5 – Revised Responses to Request for Additional Information Responses

[5] Letter E-53778, dated April 18, 2019, from Prakash Narayanan, Application for Amendment 2 to NUHOMS® EOS Certificate of Compliance No. 1042, Revision 0

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

This submittal provides a revision to Certificate of Compliance (CoC) No. 1042 Updated Final Safety Analysis Report (UFSAR) Chapters A.4, and B.4 to provide an enhancement to the thermal model for the NUHOMS[®] MATRIX (HSM-MX). The changes to Section A.4.5.7.3 are related to discussions surrounding Amendment 1 and the final response to the request for additional information (RAI) RAI 4-6, from Certificate of Compliance No. 1042, Amendment No. 1, Revision 5, Reference [4], NRC ADAMS Accession Number ML19176A315. The changes to Sections A.4.6.3 through A.4.6.7 and Chapter B.4 address the Observation OBS-T1P from Amendment 2 Revision 0, Reference [3], NRC ADAMS Accession Number ML 19225C845, in support of the Amendment 2 application.

Enclosure 2 herein provides a table listing the package accession numbers associated with the submittal packages for the Amendments 1 and 2 applications.

Enclosure 3 provides a list of changed UFSAR pages.

For the UFSAR, replacement and new Amendment 2, Revision 3 pages are provided in Enclosures 4 and 5. The pages include a footer on each replacement or new page, annotated as "72-1042 Amendment 2, Revision 3, October 2019" with changes indicated by italicized text and revision bars. The new changes associated with this revision are further annotated with gray shading and an indication in the footer of the changed pages that the changes are associated with the discussion in this letter.

Enclosure 6 provides a listing of the computer files contained in Enclosure 7.

Enclosure 7 contains computer files associated with this submittal.

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, 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. Glenn Mathues at 410-910-6538, or by email at Glenn.Mathues@orano.group.

Sincerely,

A handwritten signature in blue ink that reads "A. Prakash". The signature is stylized with a long horizontal stroke extending from the end.

Prakash Narayanan
Chief Technical Officer

cc: Chris Jacobs (NRC SFM) as follows:

- One paper copy of this cover letter
- Two computer disks containing this cover letter and Enclosures 1 through 6
- One computer hard drive with Enclosure 7

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. Listing of Package Accession Numbers Associated with the Amendment 1 and Amendment 2 Application Submittals
3. List of Changed UFSAR Pages Involved in CoC 1042 Amendment 2, Revision 3
4. Proposed Amendment 2, Revision 3 NUHOMS[®] EOS System Updated Final Safety Analysis Report Changed Pages (Proprietary and Security-Related Version)
5. Proposed Amendment 2, Revision 3 NUHOMS[®] EOS System Updated Final Safety Analysis Report Changed Pages (Public Version)
6. Listing of Computer Files Contained in Enclosure 7
7. Computer Files Associated with CoC 1042 Amendment 2, Revision 3 (Proprietary) (contained on one hard drive)

Document Components:

001 Public Transmittal Letter.pdf, 963,309 bytes
002 Public Encl 1 Affidavit.pdf, 696,021 bytes
003 Public Encl 2 Listing of Pkg Accession Nos Associated with App Submittals.pdf, 113,622 bytes
004 Public Encl 3 List of Changed UFSAR Pages.pdf, 92,170 bytes
005 SUNSI Encl 4 Proposed UFSAR Changed Pages.pdf, 2,558,435 bytes
006 Public Encl 5 Proposed UFSAR Changed Pages.pdf, 434,235 bytes
007 Public Encl 6 List of Files in Encl 7.pdf, 110,004 bytes

OSM#1 (Entire submittal) (Disk):

001 Public Transmittal Letter.pdf, 963,309 bytes
002 Public Encl 1 Affidavit.pdf, 696,021 bytes
003 Public Encl 2 Listing of Pkg Accession Nos Associated with App Submittals.pdf, 113,622 bytes
004 Public Encl 3 List of Changed UFSAR Pages.pdf, 92,170 bytes
005 SUNSI Encl 4 Proposed UFSAR Changed Pages.pdf, 2,558,435 bytes
006 Public Encl 5 Proposed UFSAR Changed Pages.pdf, 434,235 bytes
007 Public Encl 6 List of Files in Encl 7.pdf, 110,004 bytes

OSM#2 (Enclosure 7 portable hard drive):

008 SUNSI Encl 7 Computer Files Associated with CoC 1042 Amd 2, Rev. 3 (hard drive), 92,757,864,448 bytes, Proprietary

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

001 Public Transmittal Letter.pdf, 963,309 bytes
002 Public Encl 1 Affidavit.pdf, 696,021 bytes
003 Public Encl 2 Listing of Pkg Accession Nos Associated with App Submittals.pdf, 113,622 bytes
004 Public Encl 3 List of Changed UFSAR Pages.pdf, 92,170 bytes
006 Public Encl 5 Proposed UFSAR Changed Pages.pdf, 434,235 bytes
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