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June 17, 2022  
E-56999

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

**Subject:** Certificate of Compliance 1042, NUHOMS® EOS System Updated Final Safety Analysis Report (UFSAR), Revision 4 Docket 72-1042

**Reference:** Letter from Prakash Narayanan (TN Americas LLC) to Document Control Desk (NRC) "Certificate of Compliance 1042, NUHOMS® EOS System Updated Final Safety Analysis Report (UFSAR), Revision 3 Docket 72-1042," June 17, 2020 (E-56871)

In accordance with 10 CFR 72.248(a)(1), TN Americas LLC herewith submits the UFSAR, Revision 4 for the CoC 1042 NUHOMS® EOS System for docketing. Pursuant to 10 CFR 72.248(c)(5), this update to the UFSAR incorporates changes to the NUHOMS® EOS System implemented by TN Americas LLC under 10 CFR 72.48 since the submittal of UFSAR Revision 3 (Reference) on June 17, 2020 through June 17, 2022. This update includes incorporation of CoC 1042 Amendment 2.

I certify that this submittal accurately presents changes made from June 18, 2020 up to and including June 17, 2022.

The UFSAR changed areas are marked as follows.

- New or changed pages show "Revision 4" and "June 2022" in their footer area.
- Changed areas are generally indicated using single revision bars in the margin. Newly inserted text is generally shown by italics.
- Pages that are changed by Amendment 2-only have revision bars and no annotation.
- Pages that are changed by 10 CFR 72.48 changes-only include "72.48" annotated in the right-hand margin.
- For pages changed by both Amendment 2 and 10 CFR 72.48 changes are annotated with "72.48" in the right-hand margin and Amendment 2 changes are represented by no annotation in the right-hand margin

- For pages changed by both Amendment 2 and 10 CFR 72.48 changes within the same paragraph, the “72.48” changes have indicators (gray shading) to distinguish them from the Amendment 2 changes.
- Appendix 4.9.7, added by Amendment 2, includes a text box with the text in the footer, which states “Appendix 4.9.7 is newly added in Revision 4 by Amendment 2.”
- Appendix B, added by Amendment 2, includes a text box with the text in the footer, which states “Appendix B is newly added in Revision 4 by Amendment 2.”
- UFSAR drawings have indicators to distinguish 10 CFR 72.48 changes from Amendment 2 changes.

This submittal includes proprietary information, which may not be used for any purpose other than NRC staff use of the UFSAR. In accordance with 10 CFR 2.390, Enclosure 1 provides an affidavit 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 UFSAR is provided as Enclosure 2. The public version is provided as Enclosure 3.

Should NRC staff have any questions or require additional information regarding this submittal, please contact Mr. Glenn Mathues by telephone at (410) 910-6538, or by email at [Glenn.Mathues@orano.group](mailto:Glenn.Mathues@orano.group).

Sincerely,

Handwritten signature of A. Prakash in black ink, with a small 'P.O.' written below the name.

Prakash Narayanan  
Chief Technical Officer

cc: Christian Jacobs

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. Updated Final Safety Analysis Report for the NUHOMS® EOS System, Revision 4 (Proprietary Version)
3. Updated Final Safety Analysis Report for the NUHOMS® EOS System, Revision 4 (Public Version)