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January 31, 2018
E-49539

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 1, Docket 72-1042

Reference: Final Safety Analysis Report (FSAR) for the NUHOMS® EOS
System, Revision 0, August 15, 2017 (E-49389)

In accordance with 10 CFR 72.248(a)(1), TN Americas LLC herewith submits the Updated Final Safety Analysis Report (UFSAR), Revision 1 for the NUHOMS® EOS System for docketing. Pursuant to 10 CFR 72.248(c)(5), this update to the FSAR incorporates changes to the NUHOMS® EOS System implemented by TN Americas LLC under 10 CFR 72.48 since the submittal of the original FSAR (Reference) through the date of this letter.

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, 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 UFSAR is provided as Enclosure 2. The public version is provided as Enclosure 3. Revision 1 changes are tracked with italicized text and revision bars in the right margin to provide NRC staff reviewers with a convenient way to identify the changes made since Revision 0.

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.

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

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 Dennnis.Williford@areva.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Jayant Bondre", with a stylized flourish at the end.

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. Updated Final Safety Analysis Report for the NUHOMS[®] EOS System, Revision 1 (Proprietary Version)
3. Updated Final Safety Analysis Report for the NUHOMS[®] EOS System, Revision 1 (Public Version)

Document Components:

001 Public Transmittal Letter.pdf, 717,484 bytes

002 Public Enc 1 Affidavit.pdf, 907,648 bytes

003 SUNSI Encl 2 UFSAR R1 Cover to Ch 3.pdf, 27,279,516 bytes

004 SUNSI Encl 2 UFSAR R1 App 3.9.1 to 3.9.3.pdf, 59,571,854 bytes

005 SUNSI Encl 2 UFSAR R1 App 3.9.4 to 3.9.7.pdf, 52,004,066 bytes

006 SUNSI Encl 2 UFSAR R1 Ch 4.pdf, 100,033,082 bytes

007 SUNSI Encl 2 UFSAR R1 App 4.9.1 to 4.9.5.pdf, 34,062,025 bytes

008 SUNSI Encl 2 UFSAR R1 Ch 5 to 14.pdf, 30,923,027 bytes

009 PUBLIC Encl 3 UFSAR R1 Cover to Ch 3.pdf, 12,300,208 bytes

010 PUBLIC Encl 3 UFSAR R1 App 3.9.1 to 3.9.3.pdf, 40,748,911 bytes

011 PUBLIC Encl 3 UFSAR R1 App 3.9.4 to 3.9.7.pdf, 38,781,778 bytes

012 PUBLIC Encl 3 UFSAR R1 Ch 4.pdf, 58,483,803 bytes

013 PUBLIC Encl 3 UFSAR R1 App 4.9.1 to 4.9.5.pdf, 4,613,070 bytes

014 PUBLIC Encl 3 UFSAR R1 Ch 5 to 14.pdf, 23,513,176 bytes

OSM#1 (Entire Submittal) (DVD):

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

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