



E-45666
July 28, 2016

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

Subject: Revision 7 to Application for Approval of the Spent Fuel Cask Design for the NUHOMS® EOS System (Docket No. 72-1042, TAC No. L25028)

Reference: Revision 6 to Application for Approval of the Spent Fuel Cask Design for the NUHOMS® EOS System, Revised Response to Questions 3-2 and 4-1 from the Second Request for Additional Information (Docket No. 72-1042, TAC No. L25028) (AREVA submittal E-45191, transmitted to the NRC on June 13, 2016).

This submittal provides a complete revision of the Safety Analysis Report (SAR) and the Technical Specifications (TS) to include a small number of changes made based on recent discussions with NRC materials and thermal discipline staff on June 28th, July 14th and July 18th. Enclosure 2 provides a list of the changes made to the TS and SAR, with a brief reason for the change. Enclosures 3 and 4, herein, provide a complete update to the proposed Certificate of Compliance (CoC) and TS, respectively. No changes were made to the CoC from that provided in Revision 6 in the Reference. Enclosure 5 provides the proprietary version of a complete revision to the SAR application, denoted as Revision 7. The public version of Revision 7 to the application is provided as Enclosure 6. Revision 7 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 6.

Enclosure 5 of this submittal includes proprietary information, which may not be used for any purpose other than NRC staff review of the application. In accordance with 10 CFR 2.390, an affidavit (Enclosure 1) is provided, specifically requesting that you withhold this proprietary information from public disclosure.

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.

Should NRC staff have any questions or require additional information to support the review of this application, please contact Mr. Dennis Williford by telephone at (704) 805-2223, or by email at Dennis.Williford@areva.com.

AREVA TN

AREVA Inc.
7135 Minstrel Way - Suite 300 - Columbia, MD 21045 USA
Tel.: (410) 910-6900 - Fax: (410) 910-6902
us.aveva.com/AREVATN

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

Sincerely,



Jayant Bondre
Vice President, Chief Technical Officer

cc: Yen-Ju Chen (NRC SFM), 3 computer disks each containing the entire submittal (labeled OSM#1)

Enclosures:

1. Affidavit pursuant to 10 CFR 2.390
2. List of Changes to TS and SAR
3. Revision 7 to Proposed Certificate of Compliance
4. Revision 7 to Proposed Technical Specifications
5. NUHOMS[®] EOS System Safety Analysis Report, Revision 7 (Proprietary Version)
6. NUHOMS[®] EOS System Safety Analysis Report, Revision 7 (Public Version)

Document Components:

001 Public AREVA Inc. Transmittal Letter.pdf, 399,993 bytes
002 Public Enc 1 Affidavit.pdf, 845,068 bytes
003 Public Enc 2 List of Changes to TS and SAR.pdf, 95,785 bytes
004 Public Enc 3 Proposed CoC – R7.pdf, 196,579 bytes
005 Public Enc 4 Proposed TS – R7.pdf, 633,894 bytes

006 SUNSI Enc 5 SAR 1-of-10 R7 Cover to Ch 3.pdf, 29,755,858 bytes, Proprietary
007 SUNSI Enc 5 SAR 2-of-10 R7 Ap 3.9.1,2.pdf, 45,551,626 bytes, Proprietary
008 SUNSI Enc 5 SAR 3-of-10 R7 Ap 3.9.3,4.pdf, 16,784,396 bytes, Proprietary
009 SUNSI Enc 5 SAR 4-of-10 R7 Ap 3.9.5,6,7.pdf, 38,452,065 bytes, Proprietary
010 SUNSI Enc 5 SAR 5-of-10 R7 Ch 4 - 1 of 4.pdf, 26,911,694 bytes, Proprietary
011 SUNSI Enc 5 SAR 6-of-10 R7 Ch 4 - 2 of 4.pdf, 32,483,751 bytes, Proprietary
012 SUNSI Enc 5 SAR 7-of-10 R7 Ch 4 - 3 of 4.pdf, 19,032,662 bytes, Proprietary
013 SUNSI Enc 5 SAR 8-of-10 R7 Ch 4 - 4 of 4.pdf, 21,985,534 bytes, Proprietary
014 SUNSI Enc 5 SAR 9-of-10 R7 Ap4.9.1,2,3,4.pdf, 25,092,280 bytes, Proprietary
015 SUNSI Enc 5 SAR 10-of-10 R7 Ch 5 to 14.pdf, 30,847,327 bytes, Proprietary

016 Public Enc 6 SAR 1-of-10 R7 Cover to Ch 3.pdf, 13,764,602 bytes
017 Public Enc 6 SAR 2-of-10 R7 Ap 3.9.1,2.pdf, 38,348,181 bytes
018 Public Enc 6 SAR 3-of-10 R7 Ap 3.9.3,4.pdf, 5,231,291 bytes
019 Public Enc 6 SAR 4-of-10 R7 Ap 3.9.5,6,7.pdf, 25,218,883 bytes
020 Public Enc 6 SAR 5-of-10 R7 Ch 4 - 1 of 4.pdf, 12,920,337 bytes
021 Public Enc 6 SAR 6-of-10 R7 Ch 4 - 2 of 4.pdf, 15,701,345 bytes
022 Public Enc 6 SAR 7-of-10 R7 Ch 4 - 3 of 4.pdf, 13,755,967 bytes
023 Public Enc 6 SAR 8-of-10 R7 Ch 4 - 4 of 4.pdf, 16,457,069 bytes
024 Public Enc 6 SAR 9-of-10 R7 Ap4.9.1,2,3,4.pdf, 4,697,711 bytes
025 Public Enc 6 SAR 10-of-10 R7 Ch 5 to 14.pdf, 23,451,611 bytes

OSM#1 (Entire Submittal) (DVD):

001 Public AREVA Inc. Transmittal Letter.pdf, 399,993 bytes
002 Public Enc 1 Affidavit.pdf, 845,068 bytes
003 Public Enc 2 List of Changes to TS and SAR.pdf, 95,785 bytes
004 Public Enc 3 Proposed CoC – R7.pdf, 196,579 bytes
005 Public Enc 4 Proposed TS – R7.pdf, 633,894 bytes

006 SUNSI Enc 5 SAR 1-of-10 R7 Cover to Ch 3.pdf, 29,755,858 bytes, Proprietary
007 SUNSI Enc 5 SAR 2-of-10 R7 Ap 3.9.1,2.pdf, 45,551,626 bytes, Proprietary
008 SUNSI Enc 5 SAR 3-of-10 R7 Ap 3.9.3,4.pdf, 16,784,396 bytes, Proprietary
009 SUNSI Enc 5 SAR 4-of-10 R7 Ap 3.9.5,6,7.pdf, 38,452,065 bytes, Proprietary
010 SUNSI Enc 5 SAR 5-of-10 R7 Ch 4 - 1 of 4.pdf, 26,911,694 bytes, Proprietary
011 SUNSI Enc 5 SAR 6-of-10 R7 Ch 4 - 2 of 4.pdf, 32,483,751 bytes, Proprietary
012 SUNSI Enc 5 SAR 7-of-10 R7 Ch 4 - 3 of 4.pdf, 19,032,662 bytes, Proprietary
013 SUNSI Enc 5 SAR 8-of-10 R7 Ch 4 - 4 of 4.pdf, 21,985,534 bytes, Proprietary
014 SUNSI Enc 5 SAR 9-of-10 R7 Ap4.9.1,2,3,4.pdf, 25,092,280 bytes, Proprietary
015 SUNSI Enc 5 SAR 10-of-10 R7 Ch 5 to 14.pdf, 30,847,327 bytes, Proprietary

016 Public Enc 6 SAR 1-of-10 R7 Cover to Ch 3.pdf, 13,764,602 bytes
017 Public Enc 6 SAR 2-of-10 R7 Ap 3.9.1,2.pdf, 38,348,181 bytes
018 Public Enc 6 SAR 3-of-10 R7 Ap 3.9.3,4.pdf, 5,231,291 bytes
019 Public Enc 6 SAR 4-of-10 R7 Ap 3.9.5,6,7.pdf, 25,218,883 bytes
020 Public Enc 6 SAR 5-of-10 R7 Ch 4 - 1 of 4.pdf, 12,920,337 bytes
021 Public Enc 6 SAR 6-of-10 R7 Ch 4 - 2 of 4.pdf, 15,701,345 bytes
022 Public Enc 6 SAR 7-of-10 R7 Ch 4 - 3 of 4.pdf, 13,755,967 bytes
023 Public Enc 6 SAR 8-of-10 R7 Ch 4 - 4 of 4.pdf, 16,457,069 bytes
024 Public Enc 6 SAR 9-of-10 R7 Ap4.9.1,2,3,4.pdf, 4,697,711 bytes
025 Public Enc 6 SAR 10-of-10 R7 Ch 5 to 14.pdf, 23,451,611 bytes

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

001 Public AREVA Inc. Transmittal Letter.pdf, 399,993 bytes
002 Public Enc 1 Affidavit.pdf, 845,068 bytes
003 Public Enc 2 List of Changes to TS and SAR.pdf, 95,785 bytes
004 Public Enc 3 Proposed CoC – R7.pdf, 196,579 bytes
005 Public Enc 4 Proposed TS – R7.pdf, 633,894 bytes

016 Public Enc 6 SAR 1-of-10 R7 Cover to Ch 3.pdf, 13,764,602 bytes
017 Public Enc 6 SAR 2-of-10 R7 Ap 3.9.1,2.pdf, 38,348,181 bytes
018 Public Enc 6 SAR 3-of-10 R7 Ap 3.9.3,4.pdf, 5,231,291 bytes
019 Public Enc 6 SAR 4-of-10 R7 Ap 3.9.5,6,7.pdf, 25,218,883 bytes
020 Public Enc 6 SAR 5-of-10 R7 Ch 4 - 1 of 4.pdf, 12,920,337 bytes
021 Public Enc 6 SAR 6-of-10 R7 Ch 4 - 2 of 4.pdf, 15,701,345 bytes
022 Public Enc 6 SAR 7-of-10 R7 Ch 4 - 3 of 4.pdf, 13,755,967 bytes
023 Public Enc 6 SAR 8-of-10 R7 Ch 4 - 4 of 4.pdf, 16,457,069 bytes
024 Public Enc 6 SAR 9-of-10 R7 Ap4.9.1,2,3,4.pdf, 4,697,711 bytes
025 Public Enc 6 SAR 10-of-10 R7 Ch 5 to 14.pdf, 23,451,611 bytes