



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 28<sup>th</sup>, July 14<sup>th</sup> and July 18<sup>th</sup>. 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](mailto:Dennis.Williford@areva.com).

## **AREVA TN**

AREVA Inc.  
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[us.areva.com/AREVATN](http://us.areva.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<sup>®</sup> EOS System Safety Analysis Report, Revision 7 (Proprietary Version)
6. NUHOMS<sup>®</sup> 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  
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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  
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**OSM#1 (Entire Submittal) (DVD):**

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