



June 13, 2016
E-45191

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

Subject: 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)

Reference: (1) Letter from Yen-Ju Chen (NRC) to Paul Triska (AREVA Inc.), "Application for Approval of the Spent Fuel Cask Design for the NUHOMS® EOS System – Second Request for Additional Information, Docket 72-1042, TAC No. L25028," March 3, 2016.

(2) Revision 5 to Application for Approval of the Spent Fuel Cask Design for the NUHOMS® EOS System, Response to Second Request for Additional Information (Docket 72-1042, TAC No. L25028) (AREVA submittal E-44592, transmitted to the NRC on April 7, 2016).

This submittal provides revised responses to two questions provided in Reference 2, as discussed during a followup telephone call meeting with NRC staff on May 5, 2016. The responses to Structural RAI 3-2 and Thermal RAI 4-1 have been revised and supplemented to provide the additional requested information. Enclosure 2, herein, provides a proprietary version of the revised response to these two RAI questions. Enclosure 3 provides a public version of Enclosure 2. Enclosure 4 provides a list of additional changes to the Technical Specifications (TS), Certificate of Compliance (CoC) and Safety Analysis Report (SAR) that are not associated with the RAI. Enclosures 5 and 6 provide a complete update to the proposed CoC and TS, respectively. Enclosure 7 provides the proprietary version of a complete revision to the SAR application, denoted as Revision 6. The public version of Revision 6 to the application is provided as Enclosure 8. Revision 6 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 5. Note that some of the changes to the SAR associated with these RAI responses were previously made in Revision 5; therefore, no revision bars are associated with these previous changes. Enclosure 9 provides a proprietary version of the list of FLUENT thermal analyses computer files provided in Enclosure 10 that were used for the analyses described in the response to RAI 4-1. Enclosure 11 provides a public version of the list of computer files.

Enclosures 2, 7, 9 and 10 of this submittal include 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

AREVA TN

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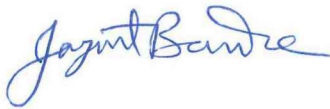
~~Enclosures transmitted herein contain SUNSI.~~ When separated from enclosures, this transmittal document is decontrolled.

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 Dennnis.Williford@areva.com.

Sincerely,



Jayant Bondre
Vice President, Chief Technical Officer

cc: Yen-Ju Chen (NRC SFM) as follows, all provided in a separate mailing:

- Three computer disks with the cover letter and Enclosures 1 through 9 and 11
- One hard drive with the cover letter and Enclosures 1 through 11 (OSM#1)

Enclosures:

1. Affidavit pursuant to 10 CFR 2.390
2. Revised Responses to RAI 3-2 and RAI 4-1 (Proprietary Version)
3. Revised Responses to RAI 3-2 and RAI 4-1 (Public Version)
4. List of Additional Changes Not Associated with the RAIs
5. Revision 6 to Proposed Certificate of Compliance
6. Revision 6 to Proposed Technical Specifications
7. NUHOMS[®] EOS System Safety Analysis Report, Revision 6 (Proprietary Version)
8. NUHOMS[®] EOS System Safety Analysis Report, Revision 6 (Public Version)
9. Listing of Computer Files Contained in Enclosure 10 (Proprietary Version)
10. Computer Files Associated with Certain AREVA Inc. Thermal Analyses (Proprietary)
11. Listing of Computer Files Contained in Enclosure 10 (Public Version)

AREVA TN

Document Components:

001 Public AREVA Inc. Transmittal Letter.pdf, 688,631 bytes
002 Public Enc 1 Affidavit.pdf, 874,626 bytes
003 SUNSI Enc 2 Responses to RAI.pdf , 100,793 bytes, Proprietary
004 Public Enc 3 Responses to RAI.pdf, 119,123 bytes
005 Public Enc 4 List of nonRAI Changes.pdf, 92,352 bytes
006 Public Enc 5 Proposed CoC – R6.pdf, 195,610 bytes
007 Public Enc 6 Proposed TS – R6.pdf, 631,125 bytes

008 SUNSI Enc 7 SAR 1-of-10 R6 Cover to Ch 3.pdf, 29,740,834 bytes, Proprietary
009 SUNSI Enc 7 SAR 2-of-10 R6 Ap 3.9.1,2.pdf, 45,551,601 bytes, Proprietary
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011 SUNSI Enc 7 SAR 4-of-10 R6 Ap 3.9.5,6,7.pdf, 38,457,395 bytes, Proprietary
012 SUNSI Enc 7 SAR 5-of-10 R6 Ch 4 - 1 of 4.pdf, 26,925,184 bytes, Proprietary
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OSM#1 (Entire Submittal) (Portable Hard Drive):

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