



September 29, 2016  
E-46190

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

**Subject:** Response to Re-Issue of Second Request for Additional Information - AREVA Inc. Renewal Application for the Standardized NUHOMS® System - CoC 1004 (Docket No. 72-1004, CAC No. L24964)

- References:**
- 1) Letter from Christian Jacobs (NRC) to Jayant Bondre (AREVA TN), "Re-Issue of Second Request for Additional Information for Review of Renewal Application for the Standardized NUHOMS® System, Certificate of Compliance No. 1004, Docket No. 72-1004 (CAC No. L24964)," August 23, 2016.
  - 2) Letter E-44181 from Jayant Bondre (AREVA Inc.) to Document Control Desk (NRC), "Second Response to NRC Request for Additional Information – AREVA Inc. Renewal Application for the Standardized NUHOMS® System – CoC 1004 (Docket No. 72-1004, TAC No. L24760)," June 6, 2016.
  - 3) Letter E-39887 from Paul Triska (AREVA Inc.) to Document Control Desk (NRC), "Renewal Application for the Standardized NUHOMS® System - CoC 1004", November 4, 2014.

Reference 1 advised AREVA Inc. that NRC staff determined that further information was needed to complete its technical review of AREVA Inc.'s November 4, 2014 application for renewal of the spent fuel storage cask Certificate of Compliance (CoC) No. 1004 for the Standardized NUHOMS® Horizontal Modular Storage System for Irradiated Nuclear Fuel (Reference 3). Reference 2 is the original response to the second request for additional information (RAI). This submittal provides responses to the re-issues identified from RAI-2 identified in Reference 1.

Enclosure 2, herein, provides a response to the RAI-2 re-issues. Each RAI response has a section stating the impact of the RAI response on the renewal application, which indicates the application sections, tables, etc., that have been changed. Enclosure 3 provides the proprietary version of a complete revision to the renewal application, denoted as Revision 3. The public version of Revision 3 to the renewal application is provided as Enclosure 4. Enclosure 5 provides a list of additional changes to the renewal application, not associated with these RAI responses, along with a reason for these changes. All renewal application changes are tracked with italicized text and revision bars in the right margin, for the convenience of NRC staff reviewers.

## **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](http://us.aveva.com/AREVATN)

Enclosure 6 provides a revised calculation referenced in the RAI-2 Issue#2 response. Enclosure 6 is proprietary in its entirety.

This submittal includes proprietary information, which may not be used for any purpose other than to support NRC staff review of the application. In accordance with 10 CFR 2.390, an affidavit (Enclosure 1) is provided specifically requesting that NRC 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 review of this application, please contact Mr. Dennis Williford by telephone at 704-805-2223 or by e-mail at [Dennis.Williford@areva.com](mailto:Dennis.Williford@areva.com).

Sincerely,



Jayant Bondre  
Vice President, Chief Technical Officer

cc: Christian Jacobs (NRC SFM), as follows, all provided in a separate mailing:

- Six computer disks with the cover letter and Enclosures 1 through 6 (i.e., OSM#1)

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. RAIs and Responses
3. Certificate of Compliance Renewal Application for the Standardized NUHOMS® System, Certificate of Compliance No. 1004 (Docket No. 72-1004), Revision 3 (Proprietary Version)
4. Certificate of Compliance Renewal Application for the Standardized NUHOMS® System, Certificate of Compliance No. 1004 (Docket No. 72-1004), Revision 3 (Public Version)
5. List of Additional Changes Not Associated with the RAIs
6. Calculation 67009-TLAA09, Revision 3, *Confinement Evaluation of NUHOMS 24P and 52B DSCs for Normal, Off-Normal and Accident Conditions for the CoC 1004 Renewal Period* (Proprietary)

**Document Components:**

001 Public AREVA Inc. Transmittal Letter.pdf, 647,880 bytes  
002 Public Enc 1 Affidavit.pdf, 379,709 bytes  
003 Public Enc 2 RAIs and Responses.pdf, 101,781 bytes  
004 SUNSI Enc 3 CoC 1004 Ren App R3-Propri.pdf, 24,255,676 bytes  
005 Public Enc 4 CoC 1004 Ren App R3-Public.pdf, 5,692,942 bytes  
006 Public Enc 5 List of nonRAI Changes.pdf, 69,198 bytes  
007 SUNSI Enc 6 Calc 67009-TLAA09 R3.pdf, 6,021,405 bytes

**OSM#1 (Entire Submittal) (DVD):**

001 Public AREVA Inc. Transmittal Letter.pdf, 647,880 bytes  
002 Public Enc 1 Affidavit.pdf, 379,709 bytes  
003 Public Enc 2 RAIs and Responses.pdf, 101,781 bytes  
004 SUNSI Enc 3 CoC 1004 Ren App R3-Propri.pdf, 24,255,676 bytes  
005 Public Enc 4 CoC 1004 Ren App R3-Public.pdf, 5,692,942 bytes  
006 Public Enc 5 List of nonRAI Changes.pdf, 69,198 bytes  
007 SUNSI Enc 6 Calc 67009-TLAA09 R3.pdf, 6,021,405 bytes

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

001 Public AREVA Inc. Transmittal Letter.pdf, 647,880 bytes  
002 Public Enc 1 Affidavit.pdf, 379,709 bytes  
003 Public Enc 2 RAIs and Responses.pdf, 101,781 bytes  
005 Public Enc 4 CoC 1004 Ren App R3-Public.pdf, 5,692,942 bytes  
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