



E-41436
March 23, 2015

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

Subject: Calculation to Support NUHOMS® EOS System Revised Response to RSI #2 Structural – NP (Docket 72-1042, TAC No. L24976)

- Reference:
- 1) Telephone Discussion between NRC Staff and AREVA TN Americas to Discuss NRC Comments on EOS RSI #2 Structural Response, held on March 5, 2015.
 - 2) Telephone Discussion between NRC Staff and AREVA TN Americas to Discuss Path Forward to Revise the EOS RSI #2 Structural Response, held on March 12, 2015.
 - 3) Revision 1 to AREVA Inc. Application for Approval of the Spent Fuel Cask Design for the NUHOMS® EOS System (Docket 72-1042, TAC No. L24976) (submittal TN E-41033, transmitted to the NRC on February 16, 2015).

Pursuant to the March 5th telephone discussion between NRC staff and AREVA TN Americas (Reference 1) wherein the NRC described their comments regarding the response provided in AREVA TN Americas RSI #2-Structural response (Reference 3), AREVA TN Americas investigated the issue further and provided a proposed path forward to resolve NRC staff's comments. This was discussed during a follow-up telephone meeting on March 12th (Reference 2). As discussed during this call, AREVA TN Americas is providing and submitting the calculation to address NRC staff's comments on the response to RSI #2-Structural. The purpose of this calculation is to structurally qualify the EOS-37PTH and EOS-89BTH DSCs for storage in EOS- HSM modules, and for transfer in EOS-TC108/EOS-TC125/EOS-TC135 transfer casks under normal, off-normal, and accident conditions. A corresponding revision to the RSI #2-Structural response and the safety analysis report (SAR) to reflect this analysis will be provided in a subsequent submittal no later than April 3, 2015.

Enclosure 2 provides the calculation addressing NRC staff's comments expressed during the telephone discussions on March 5th and March 12th. Enclosure 3 provides a listing of the computer files contained in Enclosure 4. The computer files are provided in Enclosure 4. Because the calculation in Enclosure 2 and the data provided in Enclosure 4 are proprietary in their entirety, no public versions are provided.

This submittal contains 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) requesting the withholding of proprietary information from public disclosure is enclosed.

AREVA TN

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NM5526

Should you have any questions regarding this submittal, please contact Mr. Dennis Williford by telephone at (704) 805-2223, or by email at Dennnis.Williford@areva.com.

Sincerely,



Paul Triska
Vice President, Technical Services

cc: John-Chau Nguyen (NRC SFM) as follows, all provided in a separate mailing:

- 10 computer disks with the cover letter and Enclosures 1 through 3 (i.e., Document Components 001 through 005)
- One hard drive with Enclosure 4 (i.e., Document Component 006)

Enclosures:

1. Affidavit Pursuant to 10 CFR 2.390
2. Calculation Supporting Revised Response to RSI #2- Structural-NP (Proprietary)
3. Listing of Computer Files Contained in Enclosure 4
4. Computer files associated with the analyses of the NUHOMS® EOS System (Proprietary)

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Document Components for E-41436:

001 Public AREVA Inc. Transmittal Letter.pdf, 170,107 bytes
002 Public Encl 1 Affidavit.pdf, 67,209 bytes
003 SUNSI Encl 2 Calc For RSI 2-Struc-1 of 2.pdf, 27,255,240 bytes, Proprietary
004 SUNSI Encl 2 Calc For RSI 2-Struc-2 of 2.pdf, 31,121,458 bytes, Proprietary
005 Public Encl 3 List of Encl 4 files.pdf, 88,467 bytes
006 SUNSI Encl 4 Computer Files (folder), 107,504,116,029 bytes, Proprietary

OSM#1 (Entire Submittal) (Portable Hard Drive):

001 Public AREVA Inc. Transmittal Letter.pdf, 170,107 bytes
002 Public Encl 1 Affidavit.pdf, 67,209 bytes
003 SUNSI Encl 2 Calc For RSI 2-Struc-1 of 2.pdf, 27,255,240 bytes, Proprietary
004 SUNSI Encl 2 Calc For RSI 2-Struc-2 of 2.pdf, 31,121,458 bytes, Proprietary
005 Public Encl 3 List of Encl 4 files.pdf, 88,467 bytes
006 SUNSI Encl 4 Computer Files (folder), 107,504,116,029 bytes, Proprietary

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

001 Public AREVA Inc. Transmittal Letter.pdf, 170,107 bytes
002 Public Encl 1 Affidavit.pdf, 67,209 bytes
005 Public Encl 3 List of Encl 4 files.pdf, 88,467 bytes

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