



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

May 25, 2016

MEMORANDUM TO: Bo Pham, Acting Deputy Director  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

FROM: Yen-Ju Chen, Sr. Project Manager **/RA/**  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF MAY 12, 2016, PARTIALLY CLOSED PRE-  
APPLICATION MEETING WITH AREVA, INC. TO DISCUSS  
PROPOSED AMENDMENT APPLICATION TO CERTIFICATE OF  
COMPLIANCE NO. 1042 FOR THE NUHOMS® EOS, UPDATED  
CRITICALITY METHODOLOGY FOR THE EOS-89BTH

On May 12, 2016, staff from the Division of Spent Fuel Management held a partially closed pre-application meeting with representatives from AREVA, Inc., at the U.S. Nuclear Regulatory Commission (NRC) Headquarters in Rockville, MD. The purpose of the meeting was to discuss AREVA's plan to submit an amendment application to Certificate of Compliance (CoC) No. 1042 for the NUHOMS® EOS, specifically the updated criticality methodology for the EOS-89BTH dry shielded canister, including high burnup fuel. The majority of the meeting was closed to discuss proprietary information. No regulatory decisions were made nor requested at this meeting.

During the open portion of the meeting, AREVA provided a summary of its proposed plans to submit an application to amend CoC No. 1042 for the NUHOMS® EOS. It proposed a new approach to perform criticality analysis for boiling water reactor fuel assemblies in EOS-89BTH dry shielded canister. AREVA plans to submit the proposed amendment after the initial CoC is approved and becomes effective.

During the closed portion of the meeting, AREVA provided a proprietary technical discussion of the proposed methodology for performing criticality calculations to NRC staff. NRC staff asked questions related to the technical details of the application, and discussed similar studies done by other organizations.

B. Pham

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The attendance list is provided in Enclosure 1. The presentation slides are provided in Enclosure 2 (public) and Enclosure 3 (proprietary).

Docket No.: 72-1042

CAC No.: L25111

Enclosures:

1. Attendance List
2. Public Presentation Slides
3. Proprietary Presentation Slides

B. Pham

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**DISTRIBUTION:**

NRC attendees

G:\SFST\TN EOS\Amendment 1\Public Meetings\Meeting Summary AREVA May 12 2016.docx

**ADAMS Package No. ML16147A418 Memo: ML16147A423,**

**Enclosure 2: ML16110A006 Enclosure 3: ML16110A005 (non-public)**

<b>OFC:</b>	DSFM	DSFM	DSFM
<b>NAME:</b>	YChen	WWheatley Via email	BHW for SRuffin
<b>DATE:</b>	5/20/16	5/20/16	5/25/16

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ATTENDANCE LIST  
May 12, 2016

<u>Name</u>	<u>Affiliation</u>
Yen-Ju Chen	NRC/DSFM
Mark Lombard	NRC/DSFM
Meraj Rahimi	NRC/DSFM
Veronica Wilson	NRC/DSFM
Hiruy Hadgu	AREVA
Prakash Narayanan	AREVA
Tan Trieu Pham	AREVA
Donis Lee Shaw Jr.	AREVA
Marcel Tardy	AREVA
 <b>(Participating by phone)</b>	
Carlyn Greene	Backend Publication
Dennis Williford	AREVA

**AREVA Public Presentation Slides**  
**CoC 1042 NUHOMS EOS Amendment**  
**89BTH Criticality Analysis Meeting**  
**May 12, 2016**

**AREVA Proprietary Presentation Slides**

**CoC 1042 NUHOMS EOS Amendment  
89BTH Criticality Analysis Meeting**

**May 12, 2016**