

October 25, 2013

MEMORANDUM TO: Anthony Hsia, Deputy Director  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

FROM: Huda Akhavannik, Project Manager */RA/*  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF SEPTEMBER 30, 2013, PRE-APPLICATION  
MEETING WITH AREVA TRANSNUCLEAR, INC., REGARDING  
NEW APPLICATION FOR THE MODEL NO. TN-B1  
TRANSPORTATION PACKAGE

Background.

On September 30, 2013, a pre-application meeting was held in Rockville, Maryland, at the request of AREVA Transnuclear, Inc. (AREVA-TN) to discuss their new application to be submitted to the Nuclear Regulatory Commission regarding the TN-B1 transportation package.

The meeting was noticed on September 5, 2013 [ML13248A301]. AREVA-NP, Inc., also participated in the meeting. The list of meeting attendees, including those participating via telephone, is provided as Enclosure 1. The meeting handout is provided as Enclosure 2.

Discussion.

The primary purpose of the meeting was to discuss the future submittal of the new application for the TN-B1 transportation package. AREVA-TN began by providing a brief background on the current Model No. RAJ-II transportation package. The current certificate of compliance (CoC) for the RAJ-II, CoC No. 9309, Rev. 7, supports AREVA-NP BWR fuel designs. The certificate holder plans to change the content of CoC No. 9309 to remove the AREVA-NP BWR fuel designs, thereby requiring AREVA-NP to ship using another transportation package. Additionally, AREVA-NP requires a transportation package that can be used to ship their next generation BWR fuel design, the ATRIUM-11, which is not part of the current RAJ-II CoC approved contents. AREVA-NP would like to ship ATRIUM-11 lead test assemblies in the December 2014 to January 2014 timeframe.

To support the ATRIUM-11 lead test assembly shipments, AREVA-TN proposed conducting the shipment as a specific exemption under Title 10 Code of Federal Regulations Part 71.12. The specific exemption would be done using the Model No. RAJ-II and would likely be limited to single assembly shipments. Staff responded that a specific exemption request requires listing a specific regulation that these shipments are requesting exemption from meeting. Staff suggested that instead, AREVA-TN could consider submitting a letter authorization which would use the current CoC, require meeting all the regulations, and allow for limited shipments. Staff also suggested that the criticality analysis done to support this request should include any implications from the structural analysis with regards to maintaining fuel geometry.

AREVA-TN then presented ~~two~~ possible licensing paths: sequential submittal and single submittal. In the sequential submittal path, AREVA-TN would first submit essentially the current RAJ-II design without the CoC holder's fuel designs. After obtaining Revision 0 of the Model No. TN-B1 CoC, the second submittal would be an amendment to include the ATRIUM-11 fuel design. Conversely, the single submittal path would have one submittal where Revision 0 of the CoC would include the ATRIUM-11 fuel design. Staff, AREVA-TN, and AREVA-NP discussed the advantages and disadvantages of these paths. Staff indicated that from a quality assurance perspective, the applicant is required to have all the existing licensing and fabrication drawings and the design bases calculations used for the RAJ-II. For the sequential submittal, staff indicated that if the safety analysis report is essentially identical with some administrative changes, Revision 0 of the CoC could be issued within a 3 month time period. Staff indicated that any amendments would be done in a timely manner which would depend on the quality of the application. AREVA-TN did not make any commitments to which path they would take, but indicated that should they choose the sequential submittal path, the first submittal would likely be submitted in early 2013 and the second submittal would be submitted in the second quarter of 2014 or near the end of the first submittal.

Docket No. 71-9372

TAC No. L24781

Enclosures:

1. Meeting Attendees
2. Meeting Handouts

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SFST r/f NRC Attendees

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G:\SFST\Akhavannik\TN-B1\Pre-App Meeting\Presentation.pdf

<b>OFC:</b>	SFST	E	SFST		SFST		
<b>NAME:</b>	HAkhavannik		MDeBose		MSampson		
<b>DATE:</b>	10/04/2013		10/07/2013		10/25/2013		

**C = COVER E = COVER & ENCLOSURE N = NO COPY OFFICIAL RECORD COPY**

Meeting Attendees  
AREVA Transnuclear, Inc. and NRC Meeting  
September 30, 2013, 8:30 a.m. – 10:30 a.m.

NAME	AFFILIATION	PHONE NUMBER
Robert Link	AREVA-NP	509-375-8409
Don Shaw	AREVA Transnuclear	410-910-6878
Huda Akhavannik	NRC/NMSS/SFST	301-287-9241
Glenn Mathues	AREVA Transnuclear	410-910-6538
Larry Tupper	AREVA-NP	509-375-8926
Michele Sampson	NRC/NMSS/SFST	301-287-9077
Meraj Rahimi	NRC/NMSS/SFST	301-287-9233
Robert Temps	NRC/NMSS/SFST	301-287-9190
Haile Lindsay	NRC/NMSS/SFST	301-287-0665
Christian Araguas	NRC/NMSS/SFST	301-287-9232
Anthony Hsia	NRC/NMSS/SFST	301-287-0673
Mark Lombard	NRC/NMSS/SFST	301-287-0673
Andrew Barto	NRC/NMSS/SFST	301-287-0859