

January 29, 2014
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U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Director, Division of Spent Fuel Storage
and Transportation
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555-0001

Gentlemen:

Subject: License Application for AREVA Inc. Model TN-B1 Fissile Radioactive Materials Packaging; Docket No. 71-9372

The purpose of this submittal is to request an NRC Certificate of Compliance (COC) for AREVA Inc.'s (AREVA's) Model TN-B1 Fissile Radioactive Materials Packaging under the new Docket No. 71-9372. AREVA's plans to submit this request were presented to the NRC at a pre-application meeting held in the NRC's Rockville, Maryland offices on September 30, 2013; the meeting was requested by AREVA Transnuclear, Inc. (AREVA TN).

As previously communicated to the NRC, the Model TN-B1 packaging covered by this submittal is identical to the packaging currently licensed by Global Nuclear Fuels (GNF) as the Model RAJ-II packaging under COC USA/9309/B(U)F-96. The current revision of that certificate (Rev. 9) is based on Revision 7 of the GNF RAJ-II Safety Analysis Report (SAR). AREVA's action to license the TN-B1 is necessitated by GNF's submittal of a revision 8 to the SAR that covers GNF and Westinghouse boiling water reactor (BWR) fuel designs but does not cover the AREVA BWR fuel designs currently contained within COC USA/9309/B(U)F-96. AREVA declined to participate in this RAJ-II SAR revision, currently under review by the NRC, for commercial reasons. It should be noted that Rev. 9 of USA/9309/B(U)F-96 expires on November 30, 2014.

Revision 1 of the TN-B1 SAR to support the NRC's issuance of a new COC for the TN-B1 packaging. Per her request, six electronic copies of the SAR are being provided to the NRC project manager assigned to this review. The TN-B1 SAR is based fully upon Rev. 7 of the RAJ-II SAR that underlies Rev. 9 of the current in force RAJ-II COC. The TN-B1 SAR covers the identical GNF and AREVA fuel types included within the current Rev. 9 RAJ-II COC. No changes have been made to the design of the RAJ-II packaging; the structural, thermal, and criticality safety evaluations applicable to the RAJ-II as currently licensed remain fully applicable to the TN-B1. No changes are proposed to package operations, maintenance, or acceptance tests.

To assist the NRC in its review of Rev. 1 of the TN-B1 SAR, AREVA is providing as Attachment 1 a listing of the changes in the TN-B1 SAR relative to Rev. 7 of the RAJ-II SAR. The changes are primarily administrative and related to the change in container name, docket number, and COC holder. In some cases the changes provide clarifications or correct minor errors in the Rev. 7 RAJ-II SAR.

To allow AREVA's continued use of this packaging to ship its BWR fuel products, a new COC for the TN-B1 will be needed on or before November 30, 2014, the expiration date

AREVA NP INC.

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of Rev. 9 of the RAJ-II COC. Alternatively, in the event that the TN-B1 is not licensed on or before November 30, 2014, provision for extended usage of Rev. 9 of COC USA/9309/B(U)F-96 will be necessary.

We appreciate the NRC's assistance in completing this licensing action. If you have questions, please feel free to contact me at 509-375-8409. Questions of a technical nature can be directed to Jim Davis of my staff at 509-375-8464.

Very truly yours,

A handwritten signature in black ink, appearing to read "Robert" followed by a stylized circular mark containing the number "17".

R. E. Link, Manager
Environmental, Health, Safety, & Licensing

c: (w/o SAR enclosure)

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