



November 18, 2016
TJT:16:036

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
11555 Rockville Pike
One White Flint North
Rockville MD 20852

SUBJECT: Docket No. 71-9372, AREVA TN-B1 Shipping Container, Application For Approval For Incorporation Of ATRIUM 11 Fuel Assemblies.

References: (1) Docket No. 71-9372, AREVA TN-B1 Shipping Container Safety Analysis Report.
(2) NRC Certificate of Compliance Number 9372 Revision 0

AREVA Inc. anticipates the need for the shipments of fuel assemblies of the ATRIUM 11 fuel design potentially as early as late 2019. We plan to ship the ATRIUM 11 fuel assemblies in the TN-B1 shipping container. As the ATRIUM 11 fuel assembly is not currently licensed for the TN-B1 at this time, we are submitting this application for changes to the Certificate of Compliance (CoC) and Safety Analysis Report (SAR) to support shipment of ATRIUM-11 fuel assemblies in the TN-B1 shipping container.

As the ATRIUM 11 is a new fuel type, AREVA has performed specific evaluations to support the inclusion of this new fuel type. Those evaluations are reflected in revision 4 of FS1-0014159 "AREVA TN-B1 Docket No. 71-9372 Safety Analysis Report" which is forwarded for your review.

Attachment B is the updated Safety Analysis Report (FS1-0014159). The details of the changes between this version and previous versions is shown on the "Revisions" page of that document. We are also providing, as an attachment to this letter, a separate document providing an overview of the changes to the SAR. This document provides, for each chapter to the SAR, an overview of the changes to that chapter. If there are no changes proposed to a SAR chapter, this document provides comments as to the reasoning as to why no changes are required.

As some of the information which will be needed for the proper review of this information has been determined to be proprietary in nature, proprietary and non-proprietary versions of some documents have been created. An affidavit requesting that this information be withheld from public disclosure in accordance with 10 CFR 2.390 is included with this submittal.

AREVA requests NRC action on this letter to support ATRIUM 11 fuel shipments in the fall of 2019. Please feel free to contact me at (509) 375-8550 if you have questions or need additional information.

Very truly yours

Calvin D Manning for 11/18/2016

Tim Tate
Environmental, Health, Safety and Licensing

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Attachments

- A. Affidavit requesting information be withheld from public disclosure in accordance with 10 CFR 2.390
- B. FS1-0014159 Rev 4 "AREVA TN-B1 Docket No. 71-9372 Safety Analysis Report"
- C. Overview Of Changes To FS1-0014159 AREVA TN-B1 Docket No. 71-9372 Safety Analysis Report
- D. FS1-0025122 "AREVA TN-B1 ATRIUM-11 Fuel Assembly Shipping Container Drop Analyses" (Proprietary)
- E. FS1-0025122 (NP) "AREVA TN-B1 ATRIUM-11 Fuel Assembly Shipping Container Drop Analyses" (Non-Proprietary)
- F. FS1-0015328 "Structural Analyses of the AREVA Atrium-11 LTA Fuel Assembly in the RAJ-II Container during Normal and Accident Transport Conditions" (Proprietary)
- G. FS1-0015328 (NP) "Structural Analyses of the AREVA Atrium-11 LTA Fuel Assembly in the RAJ-II Container during Normal and Accident Transport Conditions" (Non-Proprietary)
- H. 127-9222576 "Qualification Summary Report; Upset Shape Welding of ATRIUM-11 Fuel Rod – Line 2" (Proprietary)
- I. 127-9222576 (NP) "Qualification Summary Report; Upset Shape Welding of ATRIUM-11 Fuel Rod – Line 2" (Non-Proprietary)
- J. FS1-0029527 "AREVA TN-B1 Docket No. 71-9372 Safety Analysis Report Supplement" (Proprietary)
- K. FS1-0029527 (NP) "AREVA TN-B1 Docket No. 71-9372 Safety Analysis Report Supplement" (Non-Proprietary)

6. The following criteria are customarily applied by AREVA to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA's processes, equipment, or products.
- (b) Use of the information by a competitor could permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market similar products, equipment, or processes.
- (c) The information reveals certain distinguishing aspects of equipment and products, the exclusive use of which provides a competitive advantage for AREVA in product optimization or marketability.
- (d) The information is vital to a competitive advantage held by AREVA, would be helpful to competitors to AREVA, and would likely cause substantial harm to the competitive position of AREVA.

The information identified in these Documents is considered proprietary for the reasons set forth above. In particular, AREVA has expended considerable sums of money to develop the products and associated evaluations described in these documents. The release of the AREVA documents would allow a competitor to develop similar products and evaluations without incurring the significant expense of having to develop these products and associated evaluations.

7. In accordance with AREVA's policies governing the protection and control of information, proprietary information contained in these Documents has been made available, on a limited basis, to others outside AREVA only as required and under suitable agreements providing for nondisclosure and limited use of the information.

8. AREVA policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.

Calvin D. Manning
Calvin D. Manning, Manager
Licensing and Compliance
AREVA Inc.

SUBSCRIBED before me this 18th day of November, 2016.

Mary Anne Heilman

Mary Anne Heilman

NOTARY PUBLIC, STATE OF WASHINGTON

MY COMMISSION EXPIRES: June 6, 2020

