

March 25, 2016

Mr. Gary Peters, Director
Licensing and Regulatory Affairs
AREVA Inc.
3315 Old Forest Road
Lynchburg, VA 24501

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RE: AREVA NP, INC.
TOPICAL REPORT BAW-10247PA, REVISION 0, SUPPLEMENT 1P,
REVISION 0, "REALISTIC THERMAL-MECHANICAL FUEL ROD
METHODOLOGY FOR BOILING WATER REACTORS SUPPLEMENT 1:
QUALIFICATION OF RODEX4 FOR RECRYSTALLIZED ZIRCALOY-2
CLADDING" (TAC NO. MF5421)

Dear Mr. Peters:

By letter dated December 22, 2009 (Agencywide Documents Access and Management System Accession (ADAMS) Accession No. ML093580237), AREVA NP, INC. (AREVA) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report BAW-10247PA, Revision 0, Supplement 1P, Revision 0, "Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors Supplement 1: Qualification of RODEX4 for Recrystallized Zircoloy-2 Cladding."

In an email dated September 19, 2011, AREVA was supplied twelve draft requested for additional information (RAI) questions. By letters dated April 19 and November 20, 2013 (ADAMS Accession Nos. ML13119A027 and ML13329A454, respectively), AREVA responded to those draft RAI questions. Upon review of the information provided in those responses, the NRC staff has determined that additional information is needed to complete the review.

Enclosure 1 contains a new RAI question to which AREVA needs to respond. Enclosure 2 contains the first twelve RAI questions. Enclosure 2 represents the formal transmittal of those RAI questions. There were editorial changes to the draft RAI questions in order to finalize them. Those editorial changes do not impact the content or intent of the RAI questions. Therefore, no additional response is required from AREVA for the formal RAI questions in Enclosure 2.

On December 30, 2015, Alan Meginnis, AREVA Product Licensing Manager, and I agreed that the NRC staff will receive the response to the RAI question in Enclosure 1 within 45 days from the date of this letter.

If you have any questions regarding the enclosed RAI questions, please contact me at 301-415-4053.

Sincerely,

/RA/

Jonathan G. Rowley, Project Manager
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 728

Enclosures:

1. RAI Number 13
2. RAI Numbers 1 – 12 (Nonproprietary Version)

If you have any questions regarding the enclosed RAI questions, please contact me at 301-415-4053.

Sincerely,

/RA/

Jonathan G. Rowley, Project Manager
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

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ADAMS Accession Nos.: ML15364A244 (Package); ML15365A253 (Cover letter);
ML15365A289 (Enclosure 1); ML15365A299 (Enclosure 2) * via e-mail **NRR-106**

OFFICE	PLPB/PM	PLPB/LA*	SNPB/BC	PLPB/BC	PLPB/PM
NAME	JRowley	DHarrison	JDean	KHsueh	JRowley
DATE	2/12/16	2/10/16	3/25/16	3/25/16	3/25/16

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