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March 31, 2014

Mr. Pedro Salas, Manager
Site Operations and Regulatory Affairs
AREVA NP Inc.
3315 Old Forest Road
Lynchburg, VA 24501

SUBJECT: FINAL SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR
REGULATION FOR TOPICAL REPORT ANP-10298PA, REVISION 0,
SUPPLEMENT 1P, REVISION 0, "IMPROVED K-FACTOR MODEL FOR
ACE/ATRIUM 10XM CRITICAL POWER CORRELATION" (TAC NO. ME7963)

Dear Mr. Salas:

By letter dated December 21, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML11363A121), AREVA NP Inc. (AREVA) submitted Topical Report (TR) ANP-10298PA, Revision 0, Supplement 1P, Revision 0, "Improved K-factor Model for ACE/ATRIUM 10XM Critical Power Correlation," to the U.S. Nuclear Regulatory Commission (NRC) staff for review. By letter dated February 6, 2014 (ADAMS Accession No. ML14009A417), an NRC draft safety evaluation (SE) regarding our approval of TR ANP-10298PA, Revision 0, Supplement 1P, Revision 0, was provided for your review and comment. By letter dated February 25, 2014 (ADAMS Accession No. ML14063A504), AREVA provided comments on the draft SE. The NRC staff's disposition of the AREVA comments on the draft SE are discussed in the attachment to the final SE enclosed with this letter.

The NRC staff has found that TR ANP-10298PA, Revision 0, Supplement 1P, Revision 0, is acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the TR and in the enclosed final SE. The final SE defines the basis for our acceptance of the TR.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

NOTICE: Enclosure 2 transmitted herewith contains Proprietary Information. When separated from Enclosure 2, this transmittal document is decontrolled.

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P. Salas

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In accordance with the guidance provided on the NRC website, we request that AREVA publish approved proprietary and non-proprietary versions of TR ANP-10298PA, Revision 0, Supplement 1P, Revision 0, within three months of receipt of this letter. The approved versions shall incorporate this letter and the enclosed final SE after the title page. Also, they must contain historical review information, including NRC requests for additional information and your responses. The approved versions shall include an "-A" (designating approved) following the TR identification symbol.

The NRC staff acknowledges that AREVA intends to incorporate ANP-10298PA, Revision 0, Supplement 1P, Revision 0, information into the previously accepted TR ANP-10298PA, Revision 0, "ACE/ATRIUM 10XM Critical Power Correlation," dated March 2010 to create Revision 1 of the accepted TR. Therefore, Revision 1 of TR ANP-10298PA can be submitted as the accepted version of the TR.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, AREVA and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,

/RA/

Sher Bahadur, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 728

Enclosures:

1. Final Safety Evaluation (Non-Proprietary)
2. Final Safety Evaluation (Proprietary)

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ADAMS Accession Nos.: ML14072A353 (Cover letter); ML14072A355 (Non-Prop SE);
ML14072A360 (Prop SE); ML14072A362 (Non-Prop Att. 1); ML14072A371 (Prop Att. 2)
ML14072A347 (Package)

NRR-106

OFFICE	PLPB/PM	PLPB/LA	SNPB/BC (A)	PLPB/BC	DPR/DD
NAME	JRowley	DBaxley	JDean	AMendiola	SBahadur
DATE	03/25/2014	03/20/2014	03/26/2014	03/27/2014	03/31/2014

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