

September 1, 2015

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 EMF-2328(P)(A), REVISION 0,  
SUPPLEMENT 1, REVISION 0, "PWR [PRESSURIZED WATER REACTOR]  
SMALL BREAK LOCA [LOSS-OF-COOLANT ACCIDENT] EVALUATION MODEL,  
S-RELAP5 BASED" (TAC NO. ME8227)

Dear Mr. Salas:

By letter dated March 2, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12065A390), AREVA NP Inc. (AREVA) submitted Topical Report (TR) EMF-2328(P)(A), Revision 0, Supplement 1, Revision 0, "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based," to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. By letter dated April 22, 2015 (ADAMS Accession No. ML15071A351), an NRC draft safety evaluation (SE) regarding our approval of EMF-2328(P)(A), Revision 0, Supplement 1, Revision 0, was provided for your review and comment. By letter dated May 11, 2015 (ADAMS Accession No. ML15160A617), 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 EMF-2328(P)(A), Revision 0, Supplement 1, 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.

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 EMF-2328(P)(A), Revision 0, Supplement 1, Revision 0, within 3 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.

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/*

Mirela Gavrilas, Deputy Director  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 728

Enclosure:  
Final Safety Evaluation (Non-Proprietary)

P. Salas

- 2 -

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Sincerely,

/RA/

Mirela Gavrilas, Deputy Director  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 728

Enclosure:  
Final Safety Evaluation (Non-Proprietary)

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**ADAMS Accession Nos.: Pkg: ML15210A224; Ltr: ML15210A252; SE: ML15210A257;**

**Comments Resolution: ML15210A272**

**NRR-106**

OFFICE	PLPB/PM	PLPB/LA	SNPB/BC	PLPB/BC	DPR/DD
NAME	JRowley	DHarrison (ABaxter for/)	JDean	AMendiola	MGavrilas
DATE	08/13/15	08/13/15	08/27/15	08/28/15	09/1/15

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