

January 29, 2013

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

SUBJECT: FINAL SAFETY EVALUATION FOR AREVA NP, INC (AREVA) TOPICAL REPORT (TR) ANP-10311P, REVISION 0, "COBRA-FLX: A CORE THERMAL-HYDRAULIC ANALYSIS CODE TOPICAL REPORT" (TAC NO. ME3909)

Dear Mr. Salas:

By letter dated March 31, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML101550173), AREVA submitted Topical Report (TR) ANP-10311P, Revision 0, "COBRA-FLX: A Core Thermal-Hydraulic Analysis Code Topical Report," to the U.S. Nuclear Regulatory Commission (NRC) staff for review. By letter dated August 12, 2011 (ADAMS Accession No. ML11129A275), an NRC draft safety evaluation (SE) regarding our approval of TR ANP-10311P, Revision 0, was provided for your review and comments. By letter dated September 20, 2011 (ADAMS Accession No. ML112640538), AREVA commented on the draft SE. The NRC staff's disposition of AREVA comments on the draft SE are discussed in the Attachment 2 to the final SE enclosed with this letter.

The NRC staff has found that TR ANP-10311P, Revision 0, is acceptable for referencing in licensing applications to the extent specified and under the limitations and conditions delineated in the TR and in the enclosed final SE. The final SE defines the basis for 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.

In accordance with the guidance provided on the NRC website, we request that AREVA publish accepted proprietary and non-proprietary versions of this TR within three months of receipt of this letter. The accepted 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 accepted versions shall include a "-A" (designating accepted) following the TR identification symbol.

P. Salas

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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

Enclosure:  
Final SE

P. Salas

- 2 -

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Sincerely,

*/RA/*

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

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Enclosure:  
Final SE

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**ADAMS Accession Nos.: ML12193A680 (Letter); ML12193A678 (Package); ML12193A677 (Final SE)**

**NRR-106**

<b>OFFICE</b>	PLPB/PM	PLPB/LA	SNPB/BC	PLPB/BC (A)	DPR/DD
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