

June 14, 2011

Mr. Pedro Salas, Manager
Corporate Regulatory Affairs
AREVA NP Inc.
3315 Old Forest Road
P.O. Box 10395
Lynchburg, VA 24506-0935

SUBJECT: FINAL SAFETY EVALUATION FOR AREVA NP, INC. TOPICAL REPORT ANP-10307P, REVISION 0, "AREVA MCPR [MINIMUM CRITICAL POWER RATIO] SAFETY LIMIT METHODOLOGY FOR BOILING WATER REACTORS" (TAC NO. ME2914)

Dear Mr. Salas:

By letter dated October 14, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML092920444), AREVA NP, Inc. (AREVA) submitted Topical Report (TR) ANP-10307P, Revision 0, "AREVA MCPR [Minimum Critical Power Ratio] Safety Limit Methodology for Boiling Water Reactors" to the U.S. Nuclear Regulatory Commission (NRC) staff for review. By letter dated February 10, 2011 (ADAMS Accession No. ML103510419), the NRC provided copies of the NRC staff's draft safety evaluation (SE) for TR ANP-10307P, Revision 0 to AREVA for review and comment. By letter dated February 25, 2011 (ADAMS Accession No. ML110600708), AREVA commented on the draft SE.

The NRC staff has found that TR ANP-10307P, Revision 0, is acceptable for referencing in licensing applications for boiling water reactors 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 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.

Notice: Enclosure 2 transmitted herewith contains proprietary information. When separated from Enclosure 1, this document is decontrolled.

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/

Robert A. Nelson, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 728

Enclosure 1: Non-Proprietary Final SE

Enclosure 2: Proprietary Final SE

P. Salas

- 2 -

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Sincerely,

/RA/

Robert A. Nelson, Deputy Director
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ADAMS Accession No. ML11140A125 *No major changes to SE input.

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