

February 12, 2008

Mr. Ronnie L. Gardner, 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) BAW-10247(P), REVISION 0, "REALISTIC THERMAL-MECHANICAL FUEL ROD METHODOLOGY FOR BOILING WATER REACTORS" (TAC NO. MC4261)

Dear Mr. Gardner:

By letter dated August 19, 2004 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML042810356), Framatome ANP, now known as AREVA, submitted TR BAW-10247(P), Revision 0, "Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors," to the U.S. Nuclear Regulatory Commission (NRC) staff for review. By letter dated January 18, 2008, an NRC draft safety evaluation (SE) regarding our approval of TR BAW-10247(P), Revision 0, was provided for your review and comments. By letter dated January 30, 2008, AREVA commented on the draft SE. The NRC staff's disposition of 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 BAW-10247(P), 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.

R. Gardner

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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/

Ho K. Nieh, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 728

Enclosures: 1. Non-Proprietary Final SE
2. Proprietary Final SE

R. Gardner

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Ho K. Nieh, Deputy Director
Division of Policy and Rulemaking
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DISTRIBUTION:

PUBLIC (Cover letter and Enclosure 1)

NON-PUBLIC (Enclosure 2)

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Cover Letter Accession No. ML080350138

Non-Proprietary Final SE (Enclosure 1) Accession No. ML080350181

Proprietary Final SE (Enclosure 2) Accession No. ML080350185

Package Accession No. ML080350227

***No major changes to SE input. NRR-043**

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