



August 31, 2007
NRC:07:042

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**Response to a Second Request for Additional Information for the Review of
BAW-10247(P), "Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling
Water Reactors"**

- Ref.: 1. Letter, James F. Mallay (Framatome ANP) to Document Control Desk (NRC), "Request for Review and Approval BAW-10247(P), 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors'," NRC:04:047, August 19, 2004.
- Ref.: 2. Letter, Ronnie L. Gardner (AREVA NP) to Document Control Desk (NRC), "Additional Information for the Review of BAW-10247P Revision 0, 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors'," NRC:06:030, July 7, 2006.
- Ref.: 3. Letter, Ronnie L. Gardner (AREVA NP) to Document Control Desk (NRC), "Response to a Request for Additional Information Regarding BAW-10247(P) Revision 0, 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors'," NRC:06:048, November 7, 2006.
- Ref.: 4. Letter, Ronnie L. Gardner (AREVA NP) to Document Control Desk (NRC), "Additional Information for the Review of BAW-10247(P) Revision 0, 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors'," NRC:06:057, December 11, 2006.

AREVA NP Inc. (AREVA NP) requested the NRC's review and approval of the topical report BAW-10247(P) Revision 0, "Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors," in Reference 1. Responses to a request for additional (RAI) on the topical report were provided in References 2 and 3. Supplementary information to address the impact of channel bow on the parameters calculated with the realistic thermal-mechanical methodology was provided in Reference 4.

This letter provides a response to a second RAI received from the NRC in an email dated January 3, 2007. The response is contained in the report BAW-10247Q4P, "Response to Request for Additional Information – BAW-10247(P)." A proprietary and a non-proprietary version of the responses are provided on the enclosed CDs.

TO:O
NRR

AREVA NP INC.
An AREVA and Siemens company

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Tel.: 434 832 3000 - Fax: 434 832 3540 - www.aveva.com

AREVA NP considers some of the information in the enclosures to this letter to be proprietary. The affidavit provided with this letter satisfies the requirements of 10 CFR 2.390(b) to support the withholding of the proprietary information from public disclosure.

Sincerely,

A handwritten signature in cursive script that reads "Ronnie L. Gardner".

Ronnie L. Gardner, Manager
Site Operations and Corporate Regulatory Affairs
AREVA NP Inc.

Enclosures

cc: H. D. Cruz
J. H. Thompson
Project 728

A F F I D A V I T

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

1. My name is Jerald S. Holm. I am Manager, Product Licensing, for AREVA NP Inc. and as such I am authorized to execute this Affidavit.

2. I am familiar with the criteria applied by AREVA NP to determine whether certain AREVA NP information is proprietary. I am familiar with the policies established by AREVA NP to ensure the proper application of these criteria.

3. I am familiar with the AREVA NP information contained in the report BAW-10247Q4P, "Response to Request for Additional Information – BAW-10247(P)" and referred to herein as "Document." Information contained in this Document has been classified by AREVA NP as proprietary in accordance with the policies established by AREVA NP for the control and protection of proprietary and confidential information.

4. This Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by AREVA NP and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in this Document as proprietary and confidential.

5. This Document has been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in this Document be withheld from public disclosure. The request for withholding of proprietary information is made in accordance with 10 CFR 2.390. The information for which withholding from disclosure is

requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information".

6. The following criteria are customarily applied by AREVA NP to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA NP.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraphs 6(b) and 6(c) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document have been made available, on a limited basis, to others outside AREVA NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

9. The foregoing statements are true and correct to the best of my knowledge,
information, and belief.

Jerald S Holm

SUBSCRIBED before me this 31

day of August, 2007.

Susan K McCoy

Susan K. McCoy
NOTARY PUBLIC, STATE OF WASHINGTON
MY COMMISSION EXPIRES: 1/10/2008

