



April 9, 2007  
NRC:07:014

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

**Response to a Request for Additional Information Regarding ANP-10249P Revision 0,  
"ACE/ATRIUM-10 Critical Power Correlation"**

Ref. 1: Letter, Ronnie L. Gardner (AREVA NP) to Document Control Desk (NRC), "Request for Review and Approval of ANP-10249P, 'ACE/ATRIUM-10 Critical Power Correlation'," NRC:06:019, May 2, 2006.

Ref. 2: ANP-10249Q1P, "Response to Request for Additional Information – ANP-10249P," April 2007.

AREVA NP Inc. (AREVA NP) requested the NRC's review and approval of the topical report ANP-10249P, "ACE/ATRIUM-10 Critical Power Correlation" in Reference 1. This report presents a new critical power correlation and its application to the ATRIUM-10<sup>1</sup> BWR fuel assembly design. A response to a request for additional information regarding this topical report is provided in Reference 2.

A proprietary and a non-proprietary version of Reference 2 are enclosed on CDs.

AREVA NP considers some of the material contained in Reference 2 to be proprietary. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the withholding of the information from public disclosure.

Sincerely,

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

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

Enclosures

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

<sup>1</sup> ATRIUM is a trademark of AREVA NP Inc., an AREVA and Siemens company registered in the United States and various other countries.

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## AFFIDAVIT

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 ANP-10249Q1P Revision 0, *Response to Request for Additional Information - ANP-10249P*, dated April 2007, 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 Holm

SUBSCRIBED before me this 6<sup>th</sup>  
day of April, 2007.

Susan K McCoy

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

