



August 15, 2007
NRC:07:039

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

Supplement to ANP-10269P, "The ACH-2 CHF Correlation for the U.S. EPR Topical Report" (TAC No. MD0026)

Ref. 1: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Request for Review and Approval of ANP-10269P, 'The ACH-2 CHF Correlation for the U.S. EPR Topical Report'," NRC: 06:053, November 30, 2006.

AREVA NP Inc. (AREVA NP) requested the NRC's review and approval of topical report ANP-10269P, "The ACH-2 CHF Correlation for the U.S. EPR Topical Report," in Reference 1. The development of this correlation included several conservative provisions, one of which was a 0.05 increase in the application Design Limit. This supplement provides additional critical heat flux (CHF) test data to confirm the applicability of the ACH-2 CHF correlation for the U.S. EPR fuel and to justify the removal of the 0.05 increase in the application Design Limit.

A proprietary and non-proprietary version of the Supplement to ANP-10269P entitled, "The CHF Testing and Analysis of a U.S. EPR 14 Foot Non-Uniform Axial Power Shape" are enclosed on CDs.

AREVA NP considers some of the material contained in the enclosed document 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.

If you have any questions related to this submittal, please contact Ms. Sandra M. Sloan, Regulatory Affairs Manager for New Plants Deployment. She may be reached by telephone at 434-832-2369 or by e-mail at sandra.sloan@areva.com.

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: L. J. Burkhart
G. Tesfaye
Project 733

AREVA NP INC.
An AREVA and Siemens company

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AFFIDAVIT

COMMONWEALTH OF VIRGINIA)
) ss.
CITY OF LYNCHBURG)

1. My name is Gayle F. Elliott. I am Manager, Product Licensing, for AREVA NP Inc. (AREVA NP) 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 proprietary information contained in ANP-10269P, Revision 0, Supplement, "The CHF Testing and Analysis of a U.S. EPR 14 Foot Non-Uniform Axial Power Shape," dated August 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:

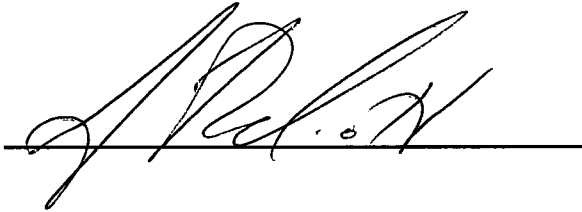
- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or 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.

A handwritten signature in black ink, appearing to be "J. P. ...", written over a horizontal line.

SUBSCRIBED before me this 14th
day of August, 2007.

A handwritten signature in black ink, appearing to be "Sherry L. McFaden", written over a horizontal line.

Sherry L. McFaden
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES: 10/31/10
Reg. # 7079129

