



December 15, 2017  
NRC:17:057

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

**Supplemental Response to Request for Additional Information Regarding Topical Report ANP-10341P,  
"The ORFEO-GAIA and ORFEO-NMGRID Critical Heat Flux Correlations"**

Ref. 1: Letter, Jonathan Rowley (NRC) to Gary Peters (AREVA), "Request for Additional Information Regarding AREVA Inc. Topical Report ANP-10341P, 'The ORFEO-GAIA and ORFEO-NMGRID Critical Heat Flux Correlations' (CAC NO. MF8400)," October 4, 2017.

Ref. 2: Letter, Gary Peters (AREVA) to Document Control Desk (NRC), "Response to Request for Additional Information Regarding Topical Report ANP-10341P, 'The ORFEO-GAIA and ORFEO-NMGRID Critical Heat Flux Correlations'," NRC:17:048, November 10, 2017.

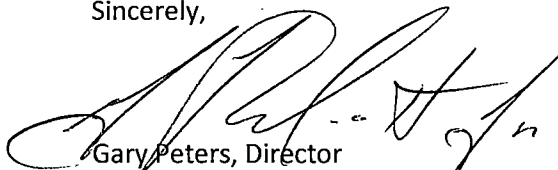
The U.S. Nuclear Regulatory Commission (NRC) requested additional information to support the review of Topical Report ANP-10341P in Reference 1. AREVA responded to this request in Reference 2. Supplemental information necessary to support the review is enclosed with this letter.

AREVA considers some of the material contained in Enclosure 1 to be proprietary. As required by 10 CFR 2.390(b), an affidavit is attached to support withholding of the information from public disclosure. Proprietary and non-proprietary versions of the supplemental information are provided.

There are no new commitments within this letter or its enclosures.

If you have any questions related to this information, please contact Mr. Nathan Hottle by telephone at (434) 832-3864, or by e-mail at [Nathan.Hottle@areva.com](mailto:Nathan.Hottle@areva.com).

Sincerely,



Gary Peters, Director  
Licensing & Regulatory Affairs  
AREVA Inc.

cc: J. G. Rowley  
Project 728

YGD1  
NRR

**AREVA INC.**

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Enclosures:

1. ANP-10341Q2P, "Response to Request for Additional Information – ANP-10341P"  
(Proprietary)
2. ANP-10341Q2NP, "Response to Request for Additional Information – ANP-10341P" (Non-  
proprietary)
3. Notarized Affidavit

# AFFIDAVIT

COMMONWEALTH OF VIRGINIA )  
 ) ss.  
CITY OF LYNCHBURG )

1. My name is Nathan E. Hottle. I am Manager, Product Licensing, for AREVA Inc. (AREVA) and as such I am authorized to execute this Affidavit.
2. I am familiar with the criteria applied by AREVA to determine whether certain AREVA information is proprietary. I am familiar with the policies established by AREVA to ensure the proper application of these criteria.
3. I am familiar with the AREVA information contained in the following document: ANP-10341Q2P, "Response to Request for Additional Information – ANP-10341P," referred to herein as "Document." Information contained in this Document has been classified by AREVA as proprietary in accordance with the policies established by AREVA Inc. 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 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 to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA'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.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA, would be helpful to competitors to AREVA, and would likely cause substantial harm to the competitive position of AREVA.

The information in this Document is considered proprietary for the reasons set forth in paragraph 6(c) above.

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

8. AREVA 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.

Matthew E. Routh

SUBSCRIBED before me this 14<sup>th</sup>  
day of December, 2017.

Ella Frances Carr-Payne

Ella F. Carr-Payne  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 08/31/21  
Reg. # 309873

