



December 15, 2015  
NRC:15:048

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

**Publication of EMF-2328PA, Revision 0, Supplement 1PA, Revision 0, "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based"**

Ref. 1: Letter, Mirela Gavrilas (NRR) to Pedro Salas (AREVA Inc.), "Final Safety Evaluation by the Office of Nuclear Reactor Regulation for Topical Report EMF-2328(P)(A), Revision 0, Supplement 1, Revision 0, 'PWR (Pressurized Water Reactor) Small Break LOCA (Loss-of-Coolant Accident) Evaluation Model, S-RELAP5 Based'," September 1, 2015.

In Reference 1, the NRC accepted topical report EMF-2328(P)(A), Revision 0, Supplement 1, Revision 0, "PWR (Pressurized Water Reactor) Small Break LOCA (Loss-of-Coolant Accident) Evaluation Model, S-RELAP5 Based" for referencing in license applications. The NRC requested that AREVA Inc. (AREVA) publish a proprietary and non-proprietary version of the report.

Proprietary and non-proprietary versions of the report are enclosed. The published report is constructed in accordance with guidance provided on the NRC website. As required by 10 CFR 2.390(b) an affidavit is enclosed to support the withholding of the proprietary version of the report from public disclosure.

If you have any questions related to this submittal, please contact Mr. Morris Byram, Licensing Manager by telephone at 434-832-4665 or by e-mail at [Morris.Byram@areva.com](mailto:Morris.Byram@areva.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Elliott', is written over the typed name.

Gayle F. Elliott, Interim Director  
Licensing & Regulatory Affairs  
AREVA Inc.

cc: J. G. Rowley  
Project 728

**AREVA INC.**

3315 Old Forest Road, Lynchburg, VA 24501  
Tel.: 434 832 3000 - [www.areva.com](http://www.areva.com)

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NRR

Enclosures

1. EMF-2328(P)(A), Revision 0, Supplement 1(P)(A), Revision 0 "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based"
2. EMF-2328(NP)(A), Revision 0, Supplement 1(NP)(A), Revision 0 "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based"
3. Notarized Affidavit

AFFIDAVIT

COMMONWEALTH OF VIRGINIA )  
  ) ss.  
CITY OF LYNCHBURG                      )

1. My name is Morris Byram. 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 AREVA document EMF-2328PA, Revision 0, Supplement 1PA, Revision 0, "PWR Small Break LOCA Evaluation Model, S-RELAP5 Based," and 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 paragraphs 6(c) and 6(d) 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.

Maris E. Ryzak

SUBSCRIBED before me this 15<sup>th</sup>  
day of December, 2015.

Sherry L. McFaden

Sherry L. McFaden  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 10/31/18  
Reg. # 7079129