



January 16, 2015  
NRC:15:005

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

**Errata and Revised Sample Problems for EMF-2103P, Revision 3, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors"**

Ref. 1: Letter, Pedro Salas (AREVA NP Inc.) to Document Control Desk (NRC), "Request for Review and Approval of EMF-2103P, Revision 3, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors'," NRC:13:072, September 13, 2013

AREVA Inc. (AREVA) requested the NRC's review and approval of the topical report EMF-2103P, Revision 3, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors" in Reference 1. Enclosed are revised pages to be inserted into EMF-2103(P) Revision 3. The revisions to these pages were developed to rectify minor editorial changes in the body of the document, and corrections to equations.

Sample problems were rerun to address condition reports that have been identified since the sample problems were last executed. The revised sample problems calculation results are provided in the attachments. The revised pages will be included in the approved versions of the proprietary and non-proprietary topical reports, which will be issued following NRC approval of the topical report. The revised pages do contain both proprietary and non-proprietary information, and are both enclosed as attachments.

AREVA considers some of the information 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. Proprietary and non-proprietary versions of the document are enclosed.

If you have any questions related to this information, please contact Ms. Gayle F. Elliott, Product Licensing manager by telephone at (434) 832-3347, or by e-mail at [Gayle.Elliott@areva.com](mailto:Gayle.Elliott@areva.com).

Sincerely,

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

Pedro Salas, Director  
Licensing and Regulatory Affairs  
AREVA Inc.

cc: J. G. Rowley  
Project 728

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KBR

**AREVA INC.**

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Enclosures:

1. Proprietary version of EMF-2103P, Revision 3, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors" Errata
2. Non-Proprietary version of EMF-2103P, Revision 3, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors" Errata
3. Notarized Affidavit



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:

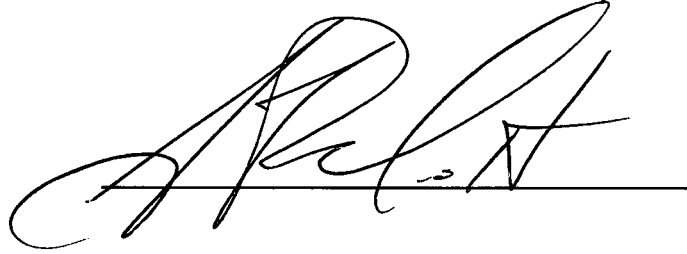
- (a) The information reveals details of AREVA's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (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), 6(d) and 6(e) 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.

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SUBSCRIBED before me this 16<sup>th</sup>  
day of January, 2015.

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