



October 29, 2014
NRC:14:057

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

Submission of AREVA Inc. Technical Report ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR™ Essential Structures, Systems, and Components," Revision 3

Ref. 1: Letter, Pedro Salas (AREVA Inc.) to Document Control Desk (NRC), "Closure Plan for U.S. EPR Design Certification Application – FSAR Group B and Group C Chapters," NRC: 14:054, September 30, 2014.

This submittal provides the NRC with Revision 3 of the AREVA Inc. (AREVA) Technical Report ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR™ Essential Structures, Systems, and Components," as identified in Reference 1. This technical report describes the AREVA methodology used to conservatively calculate the external loading effects on essential structures, systems, and components (SSCs) due to jet impingement, including unsteadiness and potential blast effects. This revision to the technical report removes Reference 9, "ANP-10264NP-A, U.S. EPR Piping Analysis and Pipe Support Design Topical Report." The content of Reference 9 was incorporated into Revision 6 of the U.S. EPR FSAR as Appendix 3F. The changes to ANP-10318P are depicted in the "Nature of Changes" section of the technical report. These changes are administrative in nature and should not require an additional technical review.

AREVA will incorporate the revision to ANP-10318P, by reference, into U.S. EPR FSAR, Revision 8, which is currently scheduled for 2015. AREVA requests that the NRC incorporate the review of this revised report into the evaluation of U.S. EPR FSAR Tier 2, Chapter 3 for the U.S. EPR Safety Evaluation Report, in a manner consistent with other reports that are incorporated by reference into the U.S. EPR FSAR.

AREVA considers some of the information contained in the enclosed documents 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 technical report are enclosed.

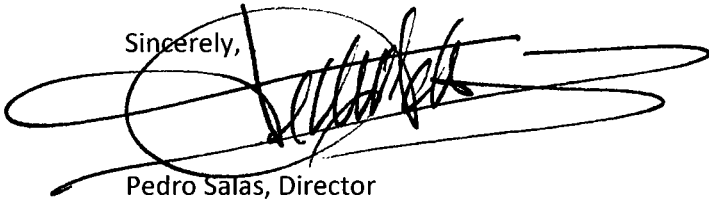
AREVA INC.

3315 Old Forest Road, Lynchburg, VA 24501
Tel.: 434 832 3000 - www.aveva.com

DOTT
MRO

If you have any questions related to this information, please contact Len Gucwa by telephone at (434) 832-3466, or by e-mail at Len.Gucwa.ext@areva.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Pedro Salas', is written over a large, stylized circular scribble.

Pedro Salas, Director
Regulatory Affairs
AREVA Inc.

cc: G. F. Wunder
J. P. Segala
Docket 52-020

Enclosures:

1. Proprietary version of Technical Report ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR™ Essential Structures, Systems, and Components," Revision 3
2. Non-Proprietary version of Technical Report ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR™ Essential Structures, Systems, and Components," Revision 3
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:

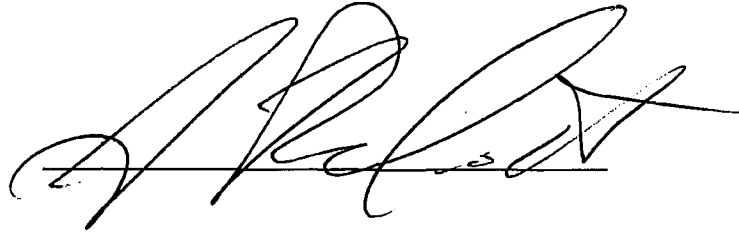
- (a) The information reveals details of AREVA's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.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

A handwritten signature in black ink, consisting of several large, overlapping loops and a long horizontal stroke at the end, positioned above a horizontal line.

SUBSCRIBED before me this 24th
day of October, 2014.

A handwritten signature in black ink, appearing to read 'Smifard', positioned above a horizontal line.

Sherry L. McFaden
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES: 10/31/14
Reg. # 7079129