



August 11, 2017  
NRC:17:035

PROJ0728

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

**Transmittal of Revisions to ANP-10300Q1P and ANP-10300Q2P**

AREVA Inc. (AREVA) requested the NRC review and approval of Topical Report (TR) ANP-10300P, Revision 0, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient Accident Scenarios" in Reference 1. A response to acceptance review questions regarding this TR was transmitted to the NRC in Reference 2. The NRC provided a Request for Additional Information (RAI) regarding this TR in Reference 3. The responses to the Reference 3 RAI were transmitted to the NRC in Reference 4. References 5 and 6 were the RAI response documents included in References 2 and 4, respectively. As a result of additional discussions with the NRC Review Staff, revised information needed to be incorporated in References 5 and 6. Revisions to References 5 and 6 are included in this letter as Enclosures (ANP-10300Q1P, Revision 1 and ANP-10300Q2P, Revision 1).

Note that the enclosed revisions to References 5 and 6 are the only revisions of the RAI response documents that will be included in the Approved version of the TR, ANP-10300PA, when published. Additionally, it was identified in References 2 and 4 that when the final approved TR is assembled, Appendix A of ANP-10300Q1P, Revision 0 (Reference 5) would be moved from the NRC correspondence section at the beginning of the TR and placed in the base TR as Appendix A to ANP-10300PA. In subsequent discussions with the NRC it was determined that the relocation of the Appendix was not needed and now will not occur. However, there are a number of TR updates identified in the Enclosures to this letter that will be updated in the base TR. To facilitate the updating of the TR, AREVA will revise the TR to Revision 1 of ANP-10300P such that the Approved TR will be ANP-10300PA, Revision 1. AREVA requests that the NRC acknowledges this in the SE for this TR.

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

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

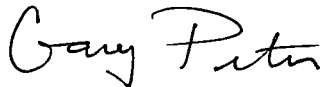
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**AREVA INC.**

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If you have any questions related to this information, please contact Mr. Alan Meginnis by telephone at (509) 375-8266, or by e-mail at [Alan.Meginnis@areva.com](mailto:Alan.Meginnis@areva.com).

Sincerely,



Gary Peters, Director  
Licensing & Regulatory Affairs  
AREVA Inc.

cc: J. G. Rowley  
Project 728

References:

- Ref. 1: Letter, R.L. Gardner (AREVA) to Document Control Desk (NRC), "Request for Review and Approval of ANP-10300P, Revision 0, 'AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient Accident Scenarios'," NRC:09:134, December 23, 2009.
- Ref. 2: Letter, P. Salas (AREVA) to Document Control Desk (NRC), "Response to a Draft Request for Additional Information Regarding ANP-10300P, Revision 0, 'AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient Accident Scenarios'," NRC:11:081, August 3, 2011.
- Ref. 3: Letter, Jonathan Rowley (NRC) to Pedro Salas (AREVA), "Request for Additional Information RE: AREVA NP, Inc. Topical Report BAW-10300P, Revision 0, 'AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient Accident Scenarios' (TAC NO. ME2979)," February 25, 2015.
- Ref. 4: Letter, Gary Peters (AREVA) to Document Control Desk (NRC), "Response to a Request for Additional Information Regarding ANP-10300P, Revision 0, 'AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient Accident Scenarios'," NRC:16:017, June 23, 2016.
- Ref. 5: ANP-10300Q1P, Revision 0, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to NRC Acceptance Review Questions," AREVA NP Inc., July 2011.
- Ref. 6: ANP-10300Q2P, Revision 0, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to Request for Additional Information," AREVA NP Inc., June 2016.

Enclosures:

1. A Proprietary copy of the Report ANP-10300Q1P, Revision 1, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to NRC Acceptance Review Questions"
2. A Non-Proprietary copy of the Report ANP-10300Q1NP, Revision 1, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to NRC Acceptance Review Questions"
3. A Proprietary copy of the Report ANP-10300Q2P, Revision 1, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to NRC Request for Additional Information"
4. A Non-Proprietary copy of the Report ANP-10300Q2NP, Revision 1, "AURORA-B: An Evaluation Model for Boiling Water Reactors; Application to Transient and Accident Scenarios Response to NRC Request for Additional Information"
5. Notarized Affidavit for Withholding of Proprietary Information



5. These Documents have been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in these Documents 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 these Documents is considered proprietary for the reasons set forth in paragraphs 6(b), 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 these Documents have 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.

Alan B. Meyer

SUBSCRIBED before me this 8<sup>th</sup>  
day of August, 2017.

Hailey M. Siekawitch

Hailey M Siekawitch  
NOTARY PUBLIC, STATE OF WASHINGTON  
MY COMMISSION EXPIRES: 9/28/2020

