



April 15, 2016  
NRC:16:008

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

**Request for Review and Approval of BAW-10179P, Revision 9 “Safety Criteria and Methodology for Acceptable Cycle Reload Analyses”**

Ref. 1: Letter, Gayle Elliott (AREVA Inc.) to Document Control Desk (NRC), “Request for Review and Approval of BAW-10192PA-00, Supplement 1, Revision 0 ‘BWNT LOCA - BWNT Loss-of-Coolant Accident Evaluation Model for Once-Through Steam Generator Plants,’” NRC:15:047, November 25, 2015.

AREVA Inc. (AREVA) requests the NRC’s review and approval of the topical report BAW-10179P, Revision 9 “Safety Criteria and Methodology for Acceptable Cycle Reload Analyses” for referencing in licensing actions.

This revision includes updates to text and references to be consistent with current approved methods supporting B&W designed plants and integrates current information into a more easily followed format. This revision also incorporates the method of analysis changes from BAW-10192PA-00, Supplement 1, Revision 0 “BWNT LOCA - BWNT Loss-of-Coolant Accident Evaluation Model for Once-Through Steam Generator Plants,” accounting for fuel thermal conductivity degradation (TCD) with burnup, which was submitted for approval in Reference 1.

In support of the Office of Nuclear Reactor Regulation’s prioritization efforts, the Topical Report Prioritization Scheme is included as an enclosure with this letter.

AREVA would appreciate the NRC approval of this topical report in parallel with the approval of topical report BAW-10192PA-00, Supplement 1, Revision 0 “BWNT LOCA - BWNT Loss-of-Coolant Accident Evaluation Model for Once-Through Steam Generator Plants,” since the use of these reports in licensing actions is closely tied.

AREVA considers some of the material 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. A proprietary version and a non-proprietary version of the report are enclosed.

There are no commitments within this letter or its enclosures.

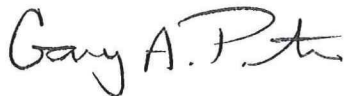
**AREVA INC.**

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

Sincerely,



Gary A. Peters, Director  
Licensing & Regulatory Affairs  
AREVA Inc.

cc: J. G. Rowley  
Project 728

Enclosures:

1. Proprietary copy of topical report BAW-10179P, Revision 9 "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses"
2. Non-Proprietary copy of topical report BAW-10179P, Revision 9 "Safety Criteria and Methodology for Acceptable Cycle Reload Analyses"
3. BAW-10179P, Revision 9 Priority Form
4. Notarized Affidavit

Document Components for NRC:16:008

001 AREVA Transmittal Letter NRC 16 008.pdf, 428,860 bytes

002 BAW10179P Rev 9 Proprietary.pdf, 2,379,835 bytes, Proprietary

003 BAW10179NP Rev 9 NonProprietary.pdf, 2,514,861 bytes

004 TR Priority 10179PR9.pdf, 78,523 bytes

005 NRC 16 008 Affidavit.pdf, 237,791 bytes