



July 26, 2011  
NRC:11:079

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**NRC Request for U.S. EPR Design Certification MAAP Input Files**

- Ref. 1: E-mail, Getachew Tesfaye (NRC) to Martin C. Bryan (AREVA NP Inc.), "U.S. EPR Design Certification Application RAI No. 457 (5169,5195,5202), FSAR Ch. 6," December 21, 2010.
- Ref. 2: E-mail, Martin C. Bryan (AREVA NP Inc.) to Getachew Tesfaye (NRC), "Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6," January 27, 2011.
- Ref. 3: E-mail, Russell Wells (AREVA NP Inc.) to Getachew Tesfaye (NRC), "Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6, Supplement 1," March 31, 2011.
- Ref. 4: E-mail, Russell Wells (AREVA NP Inc.) to Getachew Tesfaye (NRC), "Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6, Supplement 2," April 6, 2011.
- Ref. 5: E-mail, Russell Wells (AREVA NP Inc.) to Getachew Tesfaye (NRC), "Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6, Supplement 3," May 11, 2011.
- Ref. 6: E-mail, Tom Ryan (AREVA NP Inc.) to Getachew Tesfaye (NRC), "PROPRIETARY Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6, Supplement 4," June 3, 2011.
- Ref. 7: E-mail, Dennis Williford (AREVA NP Inc.) to Getachew Tesfaye (NRC), "Response to U.S. EPR Design Certification Application RAI No. 457, FSAR Ch. 6, Supplement 5," July 6, 2011.

In Reference 1, the NRC provided a request for additional information (RAI) regarding the U.S. EPR design certification application. Reference 2 provided a schedule for a technically correct and complete response to RAI No. 457. Reference 3 provided Supplement 1 response to RAI No. 457 with a technically correct and complete response to one of the five questions. Reference 4 and Reference 5 provided revised schedules for a technically correct and complete response to the remaining four questions of RAI No. 457. Reference 6 provided technically correct and complete responses to three of the remaining four questions. Reference 7 provided a technically correct and complete response to the remaining question and concluded AREVA NP's formal response to RAI No. 457.

*DOTT  
NRC*


Subsequent to providing Reference 7, the NRC staff requested that AREVA NP Inc. (AREVA NP) provide the Modular Accident Analysis Program (MAAP) input files used in calculating in-containment refueling water storage tank temperatures for the scenarios identified in the response to U.S. EPR design certification request for additional information (RAI) 457, Question 6.2.2-81. In response, AREVA NP is providing the enclosed compact disc (CD). The CD contains a zip file with nine directories containing the various inputs used to model the cases provided in the RAI. The nine directories are identified as follows:

Directory Name	Description
include_file	contains the various include files that were used in the different scenarios
par_file	contains the U.S. EPR parameter file
scenario1a	contains the input file for scenario 1a
scenario1b	contains the input file for scenario 1b
scenario2a	contains the input file for scenario 2a
scenario2b	contains the input file for scenario 2b
scenario3a	contains the input file for scenario 3a
scenario3b	contains the input file for scenario 3b
scenario4a	contains the input file for scenario 4a

AREVA NP considers the information in the enclosed CD to be proprietary in its entirety; therefore, no non-proprietary version is provided. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the request for withholding of the information from public disclosure.

If you have any questions related to this information, please me by telephone at (434) 832-2369 or by e-mail at [sandra.sloan@areva.com](mailto:sandra.sloan@areva.com).

Sincerely,



Sandra M. Sloan, Manager  
New Plants Regulatory Affairs  
AREVA NP Inc.

Enclosures

cc: G. Tesfaye  
Docket 52-020



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 NP to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA NP'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 NP.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraphs 6(b) and 6(c) above.

7. In accordance with AREVA NP'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 NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP 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.

Sandra M. Sloan

SUBSCRIBED before me this 26<sup>th</sup>  
day of July, 2011.

Kathleen A. Bennett

Kathleen A. Bennett  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 8/31/2015  
Reg. #110864

