



May 22, 2009  
NRC:09:060

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

**Response Supplement 3 to U.S. EPR Design Certification Application RAI No. 82**

- Ref. 1: E-mail, Getachew Tesfaye (NRC) to Ronda Pederson, et al (AREVA NP Inc.), "U.S. EPR Design Certification Application RAI No. 82," October 3, 2008.
- Ref. 2: E-mail, Ronda Pederson, et al (AREVA NP Inc.), to Getachew Tesfaye (NRC), "U.S. EPR Design Certification Application RAI No. 82," November 3, 2008.
- Ref. 3: E-mail, Ronda Pederson, et al (AREVA NP Inc.), to Getachew Tesfaye (NRC), "Response Supplement 1 to U.S. EPR Design Certification Application RAI No. 82," December 17, 2008.
- Ref. 4: Letter, Sandra M. Sloan (AREVA NP Inc.) to Document Control Desk (NRC), Submittal of ANP-10299P, "Applicability of AREVA NP Containment Response Evaluation Methodology to the U.S. EPR™ for Large Break LOCA Analysis Technical Report," NRC:09:006, January 28, 2009.

In Reference 1, the NRC provided a request for additional information (RAI) regarding the U.S. EPR design certification application. Reference 2 provided technically correct and complete responses to 3 of the 8 questions. References 3 and 4 provided technically correct responses to portions of 4 of the 5 remaining questions. Technically correct and complete responses to 2 of the 5 remaining questions are enclosed with this letter.

Appended to the enclosed response file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 82 Questions 06.02.01-12c.3.2, 06.02.01.02-1a.2, 06.02.01.05-1b, and 06.02.01.05-1e. Also enclosed with this letter please find a CD containing a data file entitled, "Tabular\_Listings\_for\_RAI\_82\_06.02.01.03-1g\_.pdf," in support of the response to RAI 82 Question 06.02.01.03-1g.

The enclosed response consists of the following:

Question #	Start Page	End Page
RAI 82 — 06.02.01-12a.1	2	9
RAI 82 — 06.02.01-12a.2	2	9
RAI 82 — 06.02.01-12a.3	2	9

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Question #	Start Page	End Page
RAI 82 — 06.02.01-12c.1	2	10
RAI 82 — 06.02.01-12c.3	2	10
RAI 82 — 06.02.01-12c.3-1	2	11
RAI 82 — 06.02.01-12c.3-2	2	11
RAI 82 — 06.02.01-12c.3-3	2	14
RAI 82 — 06.02.01-12d.1	2	20
RAI 82 — 06.02.01-12d.2	2	15
RAI 82 — 06.02.01-12d.3	2	21
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RAI 82 — 06.02.01.02-1a.10	22	25
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RAI 82 — 06.02.01.03-1g	26	38
RAI 82 — 06.02.01.03-1h	26	42
RAI 82 — 06.02.01.04-1i	44	46
RAI 82 — 06.02.01.04-1j	44	46
RAI 82 — 06.02.01.05-1b	47	49
RAI 82 — 06.02.01.05-1c	47	50
RAI 82 — 06.02.01.05-1d	47	61
RAI 82 — 06.02.01.05-1e	47	62
RAI 82 — 06.02.01.05-1g	47	64

The schedule for technically correct and complete responses to the remaining RAI No. 82 questions has been changed and is provided below.

Question #	Response Date
RAI 82 — 06.02.01-12	December 18, 2009
RAI 82 — 06.02.01.04-1	June 23, 2009
RAI 82 — 06.02.01.05-1	June 12, 2009

AREVA NP considers some of the material contained in the enclosure 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 attachments are provided on the enclosed CDs.

Sincerely,



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

Enclosures

cc: G. Tesfaye  
Docket No. 52-020

## AFFIDAVIT

COMMONWEALTH OF VIRGINIA       )  
  ) ss.  
COUNTY OF CAMPBELL               )

1. My name is Sandra M. Sloan. I am Manager, New Plants Regulatory Affairs, for AREVA NP Inc. and as such I am authorized to execute this Affidavit.

2. I am familiar with the criteria applied by AREVA NP to determine whether certain AREVA NP information is proprietary. I am familiar with the policies established by AREVA NP to ensure the proper application of these criteria.

3. I am familiar with the AREVA NP information contained in NRC:09:060, "Response Supplement 3 to U.S. EPR Design Certification Application RAI No. 82" and referred to herein as "Document." Information contained in this Document has been classified by AREVA NP as proprietary in accordance with the policies established by AREVA NP for the control and protection of proprietary and confidential information.

4. This Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by AREVA NP and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in this Document as proprietary and confidential.

5. This Document has been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in

this Document 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 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 22<sup>nd</sup>

day of May, 2009.

Kathleen A. Bennett

Kathleen A. Bennett  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 8/31/2011

