



November 28, 2006  
NRC:06:054

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

**Request for Review and Approval of ANP-10273P, "AV42 Priority Actuation and Control Module Topical Report"**

Ref.: 1. Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Proposed Plan for the Pre-Application Review of the U.S. EPR," NRC:06:036, September 8, 2006

AREVA NP Inc. (AREVA NP) requests the NRC's review and approval of the enclosure, ANP-10273P, "AV42 Priority Actuation and Control Module Topical Report." This topical report was identified as a pre-application submittal for the U.S. EPR in Attachment 3 of Reference 1.

This report describes the design features of AREVA NP's AV42 Priority Actuation and Control Module and how it meets applicable regulatory requirements. This document demonstrates AV42 module compliance to Class 1E equipment design, qualification and quality criteria, as well as criteria for prioritization of safety-related signals and for electrical separation and independence of channelized systems.

AREVA NP requests that the NRC issue a Safety Evaluation Report (SER) that approves the use of the AV42 module described in the topical report. The AV42 module will be used in the U.S. EPR design and operating plants. AREVA NP plans to reference the approved version of the topical report in its Design Control Document for the U.S. EPR. AREVA NP also expects that the AV42 module would be used in Instrumentation and Controls upgrade projects at operating nuclear plants. AREVA NP requests that the NRC complete its review of the enclosed report and issue the SER by November 2007.

AREVA NP considers some of the material contained in the topical report 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 topical report are provided on the enclosed CDs.

If you have any questions related to this submittal, please contact Ms. Sandra M. Sloan, Regulatory Affairs Manager for New Plants Deployment. She may be reached by telephone at 434-832-2369 or by e-mail at [sandra.sloan@areva.com](mailto:sandra.sloan@areva.com).

Sincerely,

A handwritten signature in cursive script that reads "Ronnie L. Gardner".

Ronnie L. Gardner, Manager  
Site Operations and Regulatory Affairs  
AREVA NP Inc.

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**AREVA NP INC.**  
An AREVA and Siemens company

3315 Old Forest Road, P.O. Box 10935 Lynchburg, VA 24506-0935  
Tel.: 434 832 3000 - Fax: 434 832 3840 - [www.areva.com](http://www.areva.com)

Enclosures

cc: L. Burkhart  
G. Tesfaye  
Project 733

AFFIDAVIT

STATE OF VIRGINIA        )  
                                  )  
CITY OF LYNCHBURG        )        ss.

1. My name is Mark J. Burzynski. I am Manager, Product Licensing, 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 provided to the NRC in a November 28, 2006 letter, "Request for Review and Approval of ANP-10273P, 'AV42 Priority Actuation and Control Module Topical Report'," 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), 6(c) and 6(d) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document have 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.

Mark J. Burzynski  
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SUBSCRIBED before me on this 27<sup>th</sup>  
day of November, 2006.

Danita R. Kidd

Danita R. Kidd  
NOTARY PUBLIC, STATE OF VIRGINIA  
MY COMMISSION EXPIRES: 12/31/08