

December 8, 2011

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director  
Division of New Reactor Licensing /RA/  
Office of New Reactors

SUBJECT: U.S. EPR DESIGN CERTIFICATION APPLICATION – SAFETY  
EVALUATION WITH OPEN ITEMS FOR PORTIONS OF CHAPTER 3,  
“DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT, AND  
SYSTEMS”

By letter dated December 11, 2007, AREVA NP Inc., (AREVA) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a standard design certification (DC) application for the U.S. EPR.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE) with Open Items (OIs) for portions of Chapter 3, “Design of Structures, Components, Equipment, and Systems (Agencywide Documents Access and Management System (ADAMS) Accession No. ML092860250),” which include Sections 3.2.1, 3.2.2, 3.6.3, 3.9.1, 3.9.3, 3.9.4, 3.11, and 3.12. Unless otherwise stated in the SE with Open Items, the staff’s review was based on Revision 2 of the application and AREVA’s responses to Requests for Additional Information (RAIs). The SE with Open Items is being provided to support a meeting of the subcommittee of the ACRS scheduled to be held on January 17 and 18, 2012. The ACRS full committee meeting will be held at a later date.

In accordance with Michael R Johnson’s memorandum to the ACRS dated March 17, 2010 (ADAMS Accession No. ML100700612), the staff has reviewed the submitted information against the categories for which the ACRS requested be used to highlight information for review by the committee. The staff’s assessment of this chapter is that there are no items that meet the categories for discussion with the Committee.

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The staff concludes that the referenced SE does not contain any information exempt from public disclosure. However, the NRC will withhold the referenced SE from public disclosure for ten working days to allow AREVA the opportunity to verify the staff's conclusion that the SE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the attached information from public disclosure until the information has been released publicly in ADAMS.

The staff will inform the ACRS immediately if AREVA requests that any of the information in the SE be withheld from public disclosure.

Docket No. 52-020

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The staff will inform the ACRS immediately if AREVA requests that any of the information in the SE be withheld from public disclosure.

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**ADAMS Accession Numbers:**

**PKG: ML110880077**

**MEMO: ML110810082**

**SER: ML092860250**

**NRO-002**

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