

August 27, 2014

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

FROM: Frank Akstulewicz, Director /RA/  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: U.S. EPR DESIGN CERTIFICATION APPLICATION – ADVANCED  
SAFETY EVALUATION WITH NO OPEN ITEMS FOR U.S. EPR  
FINAL SAFETY ANALYSIS REPORT CHAPTER 2, “SITE  
CHARACTERISTICS”

By letter dated December 11, 2007, as supplemented by letters dated February 7, 2008, and February 20, 2008, AREVA Inc. (AREVA), submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a standard design certification (DC) of the U.S. EPR, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, “Licenses, Certifications, and Approvals for Nuclear Power Plants.” Subsequent to the original application, AREVA submitted Revision 6 of the U.S. EPR Final Safety Analysis Report (FSAR) by letter dated April 3, 2014 (Agencywide Documents Access and Management System (ADAMS) at Accession No. ML14104A853). Revision 6 of the FSAR includes changes associated with responses to NRC Requests for Additional Information (RAIs) submitted through March 2014.

Based on its review of the application, the NRC staff prepared the enclosed Advanced Safety Evaluation (ASE) with no Open Items (OIs) (ADAMS Accession No. ML101100363), for U.S. EPR FSAR Chapter 2, “Site Characteristics.” Unless otherwise stated in the ASE, the NRC staff’s review was based on Revision 6 of the application and AREVA’s responses to RAIs. The ASE is being provided to support a meeting of the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) and the meeting date has yet to be determined. Issuance of this ASE is an important milestone in the NRC staff’s review to determine whether AREVA’s application meets the Commission’s regulations.

In accordance with the 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.

The NRC staff concludes that the ASE with no OIs does not contain any information for which exemption from public disclosure has been sought or approved. However, the NRC will withhold the ASE from public disclosure for ten calendar days to allow AREVA the opportunity to verify the staff’s conclusion that the ASE contains no such exempt information. Therefore, the

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NRC staff requests that the ACRS withhold the ASE from public disclosure until the information has been released publicly in ADAMS.

Should you have any questions, please contact Ms. Phyllis Clark, the Project Manager at (301) 415-6447, [Phyllis.Clark@nrc.gov](mailto:Phyllis.Clark@nrc.gov) or Mr. George Wunder, the Lead Project Manager for the U.S. EPR DC application at (301) 415-1494, [George.Wunder@nrc.gov](mailto:George.Wunder@nrc.gov).

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**ADAMS Accession Numbers:**

**PKG: ML14206B141**

**MEMO: ML14206B116**

**SER: ML101100363**

**Concurrence Sheet: ML14206B136**

**\*via email**

**NRO-002**

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