

April 9, 2014

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

FROM: Frank Akstulewicz, Director **/RA Mark Delligatti for/**  
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 19, SECTION 19.2.7,  
“BEYOND DESIGN BASIS LARGE COMMERCIAL AIRCRAFT IMPACT  
ASSESSMENT”

By letter dated December 11, 2007, as supplemented by letters dated February 7, 2008, and February 20, 2008, AREVA NP, Inc. (AREVA), submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a standard design certification (DC) of 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 has submitted Revision 5 of the U.S. EPR Final Safety Analysis Report (FSAR) by letter dated July 19, 2013 (Agencywide Documents Access and Management System (ADAMS), at Accession No. ML13219B139). Revision 5 of the FSAR includes changes associated with responses to NRC Requests for Additional Information (RAIs) submitted through June 2013.

Based on its review of the application, the NRC staff prepared the enclosed Advance Safety Evaluation (ASE) with no Open Items (OIs) (ADAMS Accession No. ML13364A089), for U.S. EPR FSAR Chapter 19, Section 19.2.7, “Beyond Design Basis Large Commercial Aircraft Impact Assessment.” Unless otherwise stated in the ASE, the NRC staff’s review was based on Revision 5 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.

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 NRC staff requests that the ACRS withhold the ASE from public disclosure until the information has been released publicly in ADAMS. The NRC staff will inform the ACRS immediately if AREVA requests that any of the information in the ASE should be withheld from public disclosure.

E. Hackett

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Should you have any questions, please contact Mr. Michael Eudy, the NRC Project Manager at (301) 415-3104, [Michael.Eudy@nrc.gov](mailto:Michael.Eudy@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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Should you have any questions, please contact Mr. Michael Eudy, the NRC Project Manager at (301) 415-3104, [Michael.Eudy@nrc.gov](mailto:Michael.Eudy@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: ML14064A432**

**MEMO: ML14064A565**

**SER: ML13364A089**

**Concurrence Sheet: ML14064A570**

**\*via email**

**NRO-002**

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