

October 19, 2009

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

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

SUBJECT: EPR DESIGN CERTIFICATION APPLICATION - SAFETY EVALUATION
REPORT WITH OPEN ITEMS FOR CHAPTER 10, "STAEM AND
POWER CONVERSION SYSTEM"

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 Nuclear Regulatory Commission (NRC) for 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 has submitted Revision 1 of the U.S. EPR Final Safety Analysis Report (FSAR) by letter dated May 29, 2009 (Agencywide Documents Access and Management System [ADAMS] ML091670376). Revision 1 of the FSAR includes changes associated with responses to NRC requests for additional information (RAIs) submitted through April 2009.

Based on our review of the application, the staff prepared Safety Evaluation Report (SER) with Open Items for Chapter 10, "Main Steam and Power Conversion System." Unless otherwise stated in the SER with Open Items, the staff's review was based on Revision 0 of the application and AREVA's responses to RAIs. The SER with Open Items is being provided to support the upcoming meeting of the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) scheduled to be held in November 2009. The ACRS Full Committee meeting will be held at a later date. Issuance of this SER is an important milestone in the staff's review to determine whether AREVA's application meets the Commission's regulations.

The staff concludes that the SER with Open Items does not contain any information for which exemption from public disclosure has been sought or approved. However, the NRC will withhold the SER from public disclosure for ten calendar days to allow AREVA the opportunity to verify the staff's conclusion that the SER contains no such exempt information. Therefore, the staff requests that the ACRS withhold the SER with Open Items from public disclosure until the information has been released publicly in ADAMS. The Accession No. for the SER with Open Items is ML090780725.

The staff will inform the ACRS immediately if AREVA NP, Inc., requests that any of the information in the SER with Open Items be withheld from public disclosure.

Should you have any questions, please contact Mr. Peter Hearn, the NRC Senior Project Manager at (301) 415-1189, peter.hearn@nrc.gov or Mr. Getachew Tesfaye, the Lead Project Manager for the EPR DC application at (301) 415-3361, getachew.tesfaye@nrc.gov.

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The staff will inform the ACRS immediately if AREVA NP, Inc. requests that any of the information in the SER with Open Items be withheld from public disclosure.

Should you have any questions, please contact Mr. Peter Hearn, the NRC Senior Project Manager at (301) 415-6714, peter.hearn@nrc.gov or Mr. Getachew Tesfaye, the Lead Project Manager for the EPR DC application at (301) 415-3361, getachew.tesfaye@nrc.gov.

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ADAMS Accession Numbers:

PKG: ML092510195
MEMO: ML092510210
SER: ML090780725

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