January 28, 2007

APPLICANT: AREVA NP

PROJECT: U.S. EPR PRE-APPLICATION REVIEW

SUBJECT: SUMMARY OF NOVEMBER 29, 2006, MEETING WITH AREVA NP TO DISCUSS EQUIPMENT QUALIFICATION PROGRAM

On November 29, 2006, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of AREVA NP (AREVA) at NRC Headquarters, in Rockville, Maryland. The purpose of this meeting was to discuss the equipment qualification (EQ) program for the U.S. Evolutionary Power Reactor (U.S. EPR) standard design. This project is currently in the pre-application stages and AREVA personnel plan to submit the application for design certification by the end of 2007. A list of meeting attendees is included as Enclosure 1. AREVA presented handouts that are shown in Enclosure 2 and can be accessed through the Agencywide Documents Access and Management System (ADAMS) Accession Number ML063350464.

AREVA personnel provided an overview of the U.S. EPR design features that are significant to EQ such as the four independent safety trains in separate buildings and physical separation against internal and external hazards. They described how the four-train layout physically separates each division of safety related systems outside containment and how the vertical layout minimizes exposure of electrical and instrumentation and control (I&C) equipment to radiation fields from lower floors. They explained that no steam or main feed-water lines pass through safeguards buildings and as a result the safeguards buildings will not experience harsh environmental conditions except radiation in selected areas.

AREVA personnel stated that their objective is to qualify equipment to the latest industry standards. They indicated that they are anticipating a revision to the Standard Review Plan Section 3.11, “Environmental Qualification of Mechanical and Electrical Equipment,” and will adopt the endorsed version of the standard or will justify any deviations from it. AREVA further stated that, with respect to mechanical equipment, acceptability will be based on methods adopted by operating reactors in the 1990s and qualification method reviewed and approved by the NRC for the South Texas Project. Finally, AREVA discussed the outlines of the EQ program report they plan to submit in December 2006 for NRC review and feedback on the technical approach for the design certification.

The NRC staff provided feedback throughout the presentation. During the discussion of regulatory considerations, AREVA indicated that they plan to apply for an exemption from 10 CFR 50.49(b)(3) to use the latest version (Revision 4) of Regulatory Guide 1.97 since Revision 2 of the Guide is cited in the footnote to 10 CFR 50.49(b)(3). The staff advised AREVA that such an exemption is not needed because of the wording of the footnote which does not make Revision 2 a binding part of the rule.

Public attendees were given opportunity to comment prior to adjournment. No comments were offered at that time.

Questions regarding this meeting can be directed to Getachew Tesfaye at (301) 415-3361 or gxt2@nrc.gov.

/RA/

Getachew Tesfaye, Project Manager
EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Project No. 733

Enclosures:
1. List of Attendees
2. AREVA Handout - US-EPR
   Pre-Application Review Meeting
   Equipment Qualification (ML063350464)

cc w/encls: See next page

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DATE	1/23/06	1/24/06	1/28/06

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Attendees

Public Meeting to Discuss
Equipment Qualification
U.S. EPR Design

November 29, 2006

Name	Affiliation
Larry Lowman	AREVA
Nissen Burstein	AREVA
Charles Tally	AREVA
Sandra Sloan	AREVA
Pedro Salas	AREVA
Ronnie Gardner	AREVA
George Wrobel	Constellation
Getachew Tesfaye	NRC
Larry Burkhart	NRC
Arnold Lee	NRC
Barry Marcus	NRC
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Matt Chiramal	NRC
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Enclosure 1

U.S. Evolutionary Power Reactor Mailing List

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Enclosure 2

AREVA Handout - US-EPR
Pre-Application Review Meeting
Equipment Qualification

(ML063350464)