

January 18, 2007

APPLICANT: AREVA NP

PROJECT: U.S. EPR PRE-APPLICATION REVIEW

SUBJECT: SUMMARY OF DECEMBER 7, 2006, MEETING WITH AREVA NP TO
DISCUSS HUMAN FACTORS ENGINEERING PROGRAM

On December 7, 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, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The purpose of this meeting was to discuss the human factors engineering 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 ML063450377.

AREVA opened the meeting by stating their plan to submit a topical report on human factors engineering program for NRC review and approval in January 2007. AREVA personnel provided an overview of the U.S. EPR human factors engineering program and a preview of the scope and content of the planned topical report. They indicated that the topical report will contain four major sections: the human factors engineering program scope, standard design features for control rooms and human-system interfaces, concept of operations, and the design control process. They described the U.S. EPR instrumentation and control (I&C) systems architecture for the main control room, remote shutdown station, technical support center and I&C service center. They described the three levels of the systems architecture for unit supervision and control, for system automation, and for process interface. Finally, they described in detail their design control process and how the human factors engineering program is integrated into design control process including their implementation plan for individual NUREG-0711 elements. The NRC staff provided feedback throughout the presentation.

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

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

/RA/

Getachew Tesfaye, Project Manager
AP1000 Projects Branch 1
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
Human Factors Engineering Program (ML063450377)

cc w/encls: See next page

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DATE	1/ 08 /06	1/ 10 /06	1/ 18 /06

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Attendees

Public Meeting to Discuss
Human Factors Engineering Program
U.S. EPR Design

December 7, 2006

<u>Name</u>	<u>Affiliation</u>
Jim Easter	AREVA
Joseph Delrue	AREVA
Brian McIntyre	AREVA
Sandra Sloan	AREVA
Cassie Hagan	AREVA
Ronnie Gardner	AREVA
David Noxon	AREVA
Vic Fregonese	AREVA
Jeffrey Jones	AREVA
George Wrobel	Constellation
Getachew Tesfaye	NRC
George Lapinsky	NRC
James Bongarra	NRC
Michael Boggi	NRC
Deanna Zhang	NRC
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