

August 17, 2006

MEMORANDUM TO: Stephanie M. Coffin, Chief  
AP1000/EPR Projects Branch  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

FROM: Joseph F. Williams, Senior Project Manager /RA/  
AP1000/EPR Projects Branch  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: MEETING WITH AREVA NP TO DISCUSS DIGITAL  
INSTRUMENTATION AND CONTROL TOPICS FOR THE U.S.  
EVOLUTIONARY POWER REACTOR (EPR)

DATE & TIME: Thursday, August 31, 2006  
9:00 a.m. - 4:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North, Room 13B4  
11555 Rockville Pike  
Rockville, Maryland 20852

PURPOSE: To discuss topics associated with the U.S. EPR instrumentation and  
control system design. Additional detail regarding topics to be discussed  
are provided in the attached agenda.

CATEGORY 1:\* This is a Category 1 Meeting. The public is invited to observe this  
meeting and will have one or more opportunities to communicate with the  
NRC after the business portion, but before the meeting is adjourned.

MEETING CONTACTS: Joseph F. Williams, NRR  
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PARTICIPANTS: Participants from the NRC include members from the Office of Nuclear Reactor Regulation (NRR) and the Office of Research (RES).

NRC

J. Williams  
L. Burkhart  
N. Carte  
Y. Hsui, et al.

AREVA, NP

S. Sloan  
V. Fregonese, et al.

Project No. 733

Enclosure: Agenda

cc w/encl: See next page

\*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"  
67 *Federal Register* 36920, May 28, 2002

PARTICIPANTS: Participants from the NRC include members from the Office of Nuclear Reactor Regulation (NRR) and the Office of Research (RES).

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Agenda for Public Meeting Between AREVA NP and the NRC  
U.S. Evolutionary Power Reactor (EPR) Instrumentation and Controls

August 31, 2006

Time	Topic	
9:00 a.m.	Introductory remarks	NRC AREVA NP
9:15 a.m.	EPR Project Update <ul style="list-style-type: none"><li>- near term I&amp;C topical reports</li><li>- software development and human factor engineering plans</li></ul>	AREVA NP
9:30 a.m.	Overview of Protection System (PS) architecture	AREVA NP
10:15 a.m.	Safety system topics <ul style="list-style-type: none"><li>- PS inter-divisional communication</li><li>- PS fault detection and accommodation</li><li>- PS redundancy and functional diversity</li></ul>	AREVA NP
12:15 p.m.	Lunch break	
1:00 p.m.	Safety system topics, continued <ul style="list-style-type: none"><li>- priority actuation and control system module</li><li>- concepts for manual initiation of protective actions</li><li>- safety to non-safety communication</li><li>- qualified display system discussion</li><li>- defense-in-depth and diversity</li></ul>	AREVA NP
3:00 p.m.	Control room displays and human-machine interface	AREVA NP
3:30 p.m.	Opportunity for public comment	public NRC
4:00 p.m.	Adjourn	

Enclosure

U.S. Evolutionary Power Reactor Service  
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