

June 2, 2006

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

FROM: Lawrence J. Burkhart, Project Manager **/RA/ S.Coffin**
AP1000/EPR Projects Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: MEETING WITH AREVA NP AND CONSTELLATION ENERGY TO
DISCUSS FIRE PROTECTION AND ELECTRICAL SYSTEM DESIGN
ISSUES OF THE U.S. EPR

DATE & TIME: Tuesday, June 20, 2006
1:00 p.m. - 4:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission
Two White Flint North, Room 3B23
11455 Rockville Pike
Rockville, Maryland 20852

PURPOSE: To discuss AREVA NP's approach regarding design of the U.S. EPR with
respect to fire protection and electrical system issues. 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.

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

<u>NRC</u>	<u>AREVA</u>	<u>CONSTELLATION</u>
J. Williams	R. Daflucas	R. Krich, et al.
L. Burkhart	S. Sloan, et al.	
G. Wilson		
P. Gill, et al.		

Attachment: Agenda

cc: See next page

CONTACT: Lawrence J. Burkhart and Joseph F. Williams, NRR
301-415-1311, ljb3@nrc.gov and 301-415-1470, jfw1@nrc.gov

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

Project No. 733

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NRC

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L. Burkhart
G. Wilson
P. Gill, et al.

AREVA

R. Daflucas
S. Sloan, et al.

CONSTELLATION

R. Krich, et al.

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ADAMS ACCESSION NO.: ML061530163

OFFICE	PM:NAPB	BC:NAPB
NAME	LBurkhart	SCoffin
DATE	06/ 02 /06	06/ 02 /06

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Agenda for Public Meeting Between AREVA NP, Constellation Energy,
and the NRC Regarding
Fire Protection and Electrical System Issues
for the EPR Design

June 20, 2006

Time	Topic	
1:00 p.m.	Introductory remarks	NRC AREVA
1:15 p.m.	U.S. EPR Introduction and Design Status Update	AREVA
1:25 p.m.	Electrical Systems Overview -Electrical Design Process and Timeline -Electrical Design Approach -Major Differences between OL3 (Finnish EPR currently under construction) and the U.S. EPR -Conceptual Single Line Diagram -Offsite Power System -Onsite Alternating Current and Uninterruptible Power Supply (UPS) Power Systems -ETAP Analysis -Summary	AREVA
3:00 p.m.	Opportunity for public comment followed by break	
3:15 p.m.	U.S. EPR Fire Protection and Train Separation -Fire Protection Defense-in-Depth -Regulatory Requirements and Considerations -Elements of the Fire Protection Program -Fire Protection Design Approach -Fire Protection Systems and Design Features -Safety Train Separation -Multiple Redundancy of Safety Systems -Control Room and Containment Considerations -Summary	AREVA
4:10 p.m.	Summary and next steps	AREVA
4:15 p.m.	Opportunity for public comment	
4:30 p.m.	Adjourn	NRC

Attachment

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TO DISCUSS FIRE PROTECTION AND ELECTRICAL SYSTEM
DESIGN ISSUES OF THE U.S. EPR

ORIGINATOR: L. Burkhart

SECRETARY: T. Wade

DATE: June, 2 2006

●●● ROUTING LIST ●●●

	NAME	Room Number	DATE
1.	L. Burkhart	0-10B2C	06/ /06
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3.			/ /06
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Tony Wade, NRR/DNRL	415-8540	O4A15B
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the Division Secretary (signature of Div. Secretary)

_____Date_____

Distribution: Meeting Notice Re: EPR Standard Design, dated June 2, 2006

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