

November 8, 2007

APPLICANT: AREVA NP, INC.

PROJECT: U.S. EVOLUTIONARY POWER REACTOR

SUBJECT: SUMMARY OF OCTOBER 10, 2007, MEETING WITH AREVA NP, INC. TO DISCUSS SETPOINT SAFETY ANALYSIS METHODS TOPICAL REPORT

On October 10, 2007, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of AREVA NP, Inc. (AREVA) at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of this meeting was to discuss the setpoint safety analysis methods approach for the standard design of the U.S. Evolutionary Power Reactor (EPR). This project is currently in the pre-application phase, and AREVA personnel plans 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 ML073060402.

At this meeting, AREVA's personnel provided:

- an introduction to the topical report contents and organization
- the regulatory basis for the setpoint methodology, and other issues involving RIS 2006-17
- a description of the incore detector systems; and,
- an overview of incore trip and LCO functions

During the presentation, AREVA's personnel also described the Aeroball Measurement System. They stated that similar systems have been used in European plants for over 20 years. They also described the Aeroball Measurement System's capability to constantly recalibrate incore instrumentation, and provide more accurate measurements than the instrumentation used in presently operating U.S. plants. During the feedback and interaction session, the NRC staff encouraged AREVA to provide data from the European plants to substantiate the Aeroball Measurement System performance.

AREVA concluded their presentation by summarizing their strategy for setpoint methodology, and providing a plan for submitting the final topical report.

Public attendees were given opportunity to comment prior to adjournment, but they chose not to comment.

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Questions regarding this meeting can be directed to Peter C. Hearn at 301-415-1189 or via e-mail at [pch@nrc.gov](mailto:pch@nrc.gov).

*/RA/*

Peter C. Hearn, Sr. Project Manager  
EPR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactor

Project No. 733

Enclosures:  
As stated

cc: See next page

Questions regarding this meeting can be directed to Peter C. Hearn at 301-415-1189 or [pch@nrc.gov](mailto:pch@nrc.gov).

**/RA/**

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**Public Meeting with AREVA to Discuss Diversity  
and Defense-in-Depth Methodology**

**U.S. EPR Design October 10, 2007**

**Attendance Lists**

<b>Name</b>	<b>Affiliation</b>
M. Parece	AREVA
T Luedeke	AREVA
J. Stucker	AREVA
Sandra Sloan	AREVA
Tom Sciva	AREVA
P Dias	AREVA
Gayle Elliott	AREVA
Chris Lewis	AREVA
Paul Rebstock	NRC
Pete Hearn	NRC
Getachew Tesfaye	NRC
Tony Attard	NRC
Jerry Voss	Unistar/EXCEL
Dinesh Taneda	NRC
Ronnie Gardner	AREVA
Russell Sydnor	NRC
Shanlai Lu	NRC
Terry Beltz	NRC
Dana Dority	NRC
Michael Marshall	NRC
Mike Canova	NRC
Sang Rhow	NRC

AREVA HANDOUT – U.S. EPR  
PRE-APPLICATION REVIEW MEETING:  
SETPOINT ANALYSIS METHODS  
TOPICAL REPORT

(ML073060402)

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