AUDIT PLAN TO REVIEW U.S. EPR CHEMICAL EFFECTS TEST SPECIFICATIONS

APPLICANT: AREVA NP, Inc.

APPLICANT CONTACT: Ronda Pederson

TIME: 1:00 pm to 5:00 pm on October 7, 2009

LOCATION: AREVA NP, Inc., Twinbrook Office,
1700 Rockville Pike, Suite 400
Rockville, MD

REVIEWERS: Jeffrey Poehler (NRO, Audit Lead)
Clinton Ashley (NRO)
Jason Carneal (NRO)

BACKGROUND

AREVA NP, Inc., (AREVA) submitted to the U.S. Nuclear Regulatory Commission (NRC) a Final Safety Analysis Report (FSAR) for its application of the U.S. EPR in December, 2007, accessible by Agencywide Documents Access and Management System (ADAMS) accession number ML073520305. NRC staff initiated the design certification review on March 19, 2008. A public meeting on July 8, 2009 concerning sump performance and downstream effects, along with previously-issued requests for additional information (RAIs), specifically identified the need for U.S. EPR chemical effects testing to support the design certification review. NRC staff conducted an audit on August 18, 2009 to review the chemical effects test facility in Lynchburg, VA. During a teleconference on September 24, 2009, AREVA committed to provide the specifications of the chemical effects testing for NRC staff review.

In order to cover important review areas handled by the Office of New Reactors (NRO) Component Integrity Branch (CIB1), the staff is proposing an audit that will be carried out at the AREVA Twinbrook office in Rockville, MD. The review of the chemical effects test specifications, made available by AREVA at its local office, will support the staff's safety evaluation as related to sump performance and downstream effects. The audit is needed to resolve existing questions in accomplishing the U.S. EPR review schedule in an efficient manner.

ENCLOSURE

PURPOSE AND APPROACH

The purpose of this audit is to review technical documents provided by the applicant in relation to chemical effects testing. NRC technical experts will review the technical documentation provided. The staff will document the audit findings in an audit report and, as needed, through any necessary RAIs.

AUDIT ACTIVITIES AND SCHEDULE

The NRC staff will conduct the review over a period of one-half business day. NRC may request an ad-hoc extension of the audit at the same location if findings during the ongoing audit reveal the need for additional time. Such an extension will be requested before the audit is adjourned on October 7, 2009, by the NRC staff responsible for the audit.

Following the audit, each technical reviewer and consulting organization will prepare a separate audit report with specific findings and will send the report to Jason Carneal by October 15, 2009. The NRC staff responsible for the audit will assemble and prepare a final audit report. The final report will be made available to all contributors for their concurrence by October 30, 2009. Any final notes by the contributors will be communicated to Jason Carneal no later than October 22, 2009.

A proposed agenda for the audit is presented in the Attachment. If necessary, any circumstances related to the conductance of the audit will be communicated to Jason Carneal (NRC) at 301-415-3813 or at Jason.Carneal@nrc.gov.

AUDIT PLAN TO REVIEW U.S. EPR CHEMICAL EFFECTS TEST SPECIFICATIONS

OCTOBER 7, 2009

AREVA NP, Inc., Twinbrook Office, Rockville, MD

Wednesday, October 7, 2009, AFTERNOON SESSION: AUDIT - proprietary

1:00 p.m.	Entrance / Introduction	[NRC/AREVA NP]
1:00-5:00 p.m.	NRC Audit of Chemical Effects Test Specification	[NRC/AREVA NP]
5:00 p.m.	Adjourn	

ATTACHMENT