



January 29, 2007  
NRC:07:004

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**Request for Review and Approval of ANP-10279, "U.S. EPR Human Factors Engineering Program Topical Report"**

Ref. 1: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC),  
"Proposed Plan for the Pre-Application Review of the U.S. EPR," NRC:06:036,  
September 8, 2006

AREVA NP Inc. (AREVA NP) requests the NRC's review and approval of the enclosure, ANP-10279, "U.S. EPR Human Factors Engineering Program Topical Report." This report was identified as a pre-application submittal for the U.S. EPR in Attachment 3 of Reference 1.

The U.S. EPR Human Factors Engineering (HFE) Program Topical Report illustrates the engineering process that will be employed to design the human-system interfaces, associated equipment, and the control rooms provided to plant operators. The HFE program provides reasonable assurance that plant operators can access the required information and controls to safely and efficiently control and monitor the plant processes and equipment. The report describes the interface between the HFE and Control Room Design Team and other engineering disciplines. Design goals and bases, and features inherent in the standard U.S. EPR design are described to illustrate the starting point and scope for the program.

AREVA NP requests that the NRC issue a Safety Evaluation Report (SER) that approves this topical report, which will be used to support AREVA NP's U.S. EPR design. AREVA NP plans to reference the topical report in its Design Control Document for the U.S. EPR. AREVA NP requests that the NRC complete its review of the enclosed report and issue the SER by January 2008.

If you have any questions related to this submittal, please contact Ms. Sandra M. Sloan, Regulatory Affairs Manager for New Plants Deployment. She may be reached by telephone at 434-832-2369 or by e-mail at [sandra.sloan@areva.com](mailto:sandra.sloan@areva.com).

Sincerely,

A handwritten signature in cursive script that reads "Ronnie L. Gardner".

Ronnie L. Gardner, Manager  
Site Operations and Regulatory Affairs  
AREVA NP Inc.

Enclosures

cc: L. J. Burkhart  
G. Tesfaye  
Project 733