

October 13, 2010

Mr. Ronnie L. Gardner, Manager
Corporate Regulatory Affairs
AREVA NP Inc.
3315 Old Forest Road
P.O. Box 10395
Lynchburg, VA 24506-0935

SUBJECT: ACCEPTANCE FOR REVIEW OF AREVA NP, INC. (AREVA) TOPICAL
REPORT (TR) ANP-10311P, COBRA-FLX: A CORE THERMAL-HYDRAULIC
ANALYSIS CODE [TR] (TAC NO. ME3909)

Dear Mr. Gardner:

By letter dated March 31, 2010, AREVA submitted for U.S. Nuclear Regulatory Commission (NRC) staff review TR ANP-10311P, COBRA-FLX: A Core Thermal-Hydraulic Analysis Code [TR]. The NRC staff has performed an acceptance review and has found that the material presented is sufficient to begin our comprehensive review. The NRC staff expects to issue its request for additional information by November 15, 2010, and issue its draft safety evaluation by April 30, 2011. The NRC staff estimates that the review will require approximately 700 staff hours which includes project management time and the estimated contractor cost. The review schedule milestones and estimated review costs were discussed and agreed upon in a telephone conference between Gayle Elliott and the NRC staff on August 2, 2010.

Section 170.21 of Title 10 of the *Code of Federal Regulations* requires that TRs are subject to fees based on the full cost of the review. You did not request a fee waiver; therefore, NRC staff hours will be billed accordingly.

If you have any questions regarding this matter, please contact Holly D. Cruz at 301-415-1053.

Sincerely,

/RA/

John Jolicoeur, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 728

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