

January 6, 2010

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

ALNRC 00044

Subject: AmerenUE, Callaway Plant, Unit 2  
(NRC Docket No. 52-037)  
10 CFR 50.46(a)(3) ANNUAL REPORT

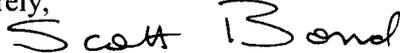
Reference: Letter NRC:09:114, Sandra M. Sloan, AREVA NP Inc., to Document Control Desk, USNRC, "10 CFR 50.46 Report for the U.S. EPR Design Certification," dated November 24, 2009.



This letter provides a required report pursuant to 10 CFR 50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors." AREVA NP Inc. (AREVA) submitted this required report pursuant to 10 CFR 50.46 (a)(3) for the U.S. EPR (Docket 52-020) via the referenced letter. This same regulation requires a similar report from a combined license (COL) applicant if the applicant is also affected by the change. AmerenUE, as the applicant for Callaway Plant, Unit 2, incorporates the U.S. EPR Design Certification Document by reference and therefore also utilizes the peak cladding temperature calculations performed by AREVA. As such, the referenced AREVA report is applicable to the Callaway Plant, Unit 2 COL application; Attachments A and B to that report provide the required information.

*It should also be recognized that review of the Callaway Plant, Unit 2 COLA is currently suspended as described in our June 23, 2009 letter to NRC and NRC's June 29, 2009 letter to AmerenUE.*

Should you have questions or need additional information, please contact the undersigned at (573) 676-8519 or Dave Shafer at (314) 225-1056.

Sincerely,  
  
Scott Bond  
Manager,  
Nuclear Generation Development

DS/slk

cc: J. Colaccino (NRC)  
S. Sloan (AREVA NP)  
G. Gibson (UniStar)  
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A002  
NRC