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U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**BELL BEND NUCLEAR POWER PLANT**  
**10 CFR 50.46(a)(3) ANNUAL REPORT**  
**BNP-2011-114      Docket No. 52-039**

Reference: 1) Letter NRC:10:101, Sandra M. Sloan, AREVA NP Inc., to USNRC, "10 CFR 50.46 Report for the U.S. EPR Design Certification," dated November 5, 2010.

The purpose of this letter is to provide a required report pursuant to 10CFR 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 regulation requires a similar report from a combined license (COL) applicant if the applicant is also affected by the change. PPL Bell Bend, LLC, as the applicant for the Bell Bend Nuclear Power Plant, 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 Bell Bend COL application; Attachments A and B to that report provide the required information.

Should you have questions or need additional information, please contact the undersigned at 570.802.8102.

Respectfully,

Rocco R. Sgarro

RRS/kw

D102  
NRC

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