

R. R. Sgarro
Director - Regulatory Affairs

PPL Bell Bend, LLC
Two North Ninth Street
Allentown, PA 18101-1179
Tel. 610.774.7552 Fax 610.774.2618
rrsgarro@pplweb.com



December 19, 2011

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

BELL BEND NUCLEAR POWER PLANT
10 CFR 50.46(a)(3) ANNUAL REPORT FOR 2011
BNP-2011-231 Docket No. 52-039

Reference: Letter NRC:11:119, Sandra M. Sloan, AREVA NP Inc., to USNRC, "10 CFR 50.46 Report for the U.S. EPR Design Certification," dated December 16, 2011.

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."

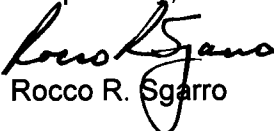
AREVA NP Inc. (AREVA) submitted this required report pursuant to 10 CFR 50.46(a)(3) for the U.S. EPR (Docket 52-020) via the referenced letter. This regulation requires a similar report from a combined license (COL) applicant if the applicant is also affected by the change. PPL Bell Bend, LLC, as the 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.

Since a number of the individual error absolute magnitudes and the sum of the absolute magnitudes of the error are greater than 50 degrees F, this report also represents a thirty day report. A letter addressing the requirement in 10CFR50.46 to provide a proposed schedule for providing a reanalysis or taking other action as may be needed to show compliance with 10CFR50.46 requirements will be provided on or before February 7, 2012.

The referenced letter also notes a lack of timely reporting that has been entered into the AREVA NP Corrective Action Program. PPL has entered a report in our Corrective Action Program as well, so as to further investigate and understand these issues, and to assure ourselves that effective actions have been taken to resolve them.

Should you have any questions, please contact the undersigned at 610.774.7552.

Respectfully,


Rocco R. Sgarro

RRS/kw

A002
D102
NRO

cc: Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Mr. William Dean
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415