



Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

March 14, 2008

10 CFR 50.46

Mr. R. William Borchardt
Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Borchardt:

In the Matter of)
Tennessee Valley Authority)

Docket Numbers 52-014 and 52-015

NUCLEAR REGULATORY COMMISSION (NRC) – BELLEFONTE NUCLEAR
PLANT (BLN) – 10 CFR 50.46 REPORT FOR THE AP1000 STANDARD PLANT
DESIGN

Reference: Letter from Ed Cummings, Westinghouse Electric Corporation (WEC), to
Nuclear Regulatory Commission (NRC), 10 CFR 50.46 Report for the
AP1000 Standard Plant Design, dated February 15, 2008

The purpose of this letter is to provide a required report in accordance with 10 CFR
50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water
Nuclear Power Reactors."

In the referenced letter, WEC submitted a report to NRC addressing a change in the
calculated peak cladding temperature. As indicated by WEC, a design certification
holder is required to report such a change to the NRC in accordance with 10 CFR
50.46(a)(3). This same regulation requires a similar report from any combined license
(COL) applicant if the applicant is also affected by the change. TVA's COL application
for BLN incorporates by reference the AP1000 design certification document (DCD) and
thus, also utilizes the peak cladding temperature calculations performed by WEC. As
such, the WEC report is also applicable to the BLN AP1000 COL application.

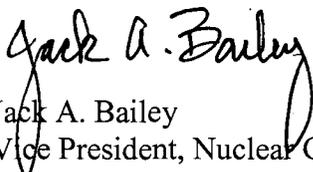
Enclosure 2 of the reference letter contains the WEC proposed reanalysis plan and
schedule as required by 10 CFR 50.46. The WEC reanalysis will also be applicable to
the BLN AP1000 COL application.

DOBS
NRO

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If there are any questions regarding this report, please contact Phillip Ray at 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7030, or via email at pmray@tva.gov.

Sincerely,



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