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

December 3, 2008

10 CFR 52.79

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

In the Matter of) Docket No. 52-014 and 52-015
Tennessee Valley Authority)

BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION – TURBINE BUILDING CLOSED COOLING WATER SYSTEM

Reference: Letter from Tanya Simms (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 134 Related to SRP Section 09.02.02 for the Bellefonte Units 3 and 4 Combined License Application, dated November 3, 2008

This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) items included in the reference letter.

A response to the NRC request in the subject letter is addressed in the enclosure which also identifies any associated changes that will be made in a future revision of the BLN application.

If you should have any questions, please contact Thomas Spink at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7062, or via email at tespink@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 3rd day of DEC, 2008.

Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs
Nuclear Generation Development & Construction

Enclosure
cc: See Page 2

D085
NRO

cc: (Enclosures)
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M. W. Gettler, FP&L
R. C. Grumbir, NuStart
P. S. Hastings, NuStart
P. Hinnenkamp, Entergy
M. C. Kray, NuStart
D. Lindgren, Westinghouse
G. D. Miller, PG&N
M. C. Nolan, Duke Energy
N. T. Simms, Duke Energy
T. Simms, NRC/HQ
G. A. Zinke, NuStart

cc: (w/o Enclosure)
B. Anderson, NRC/HQ
M. M. Comar, NRC/HQ
B. Hughes ,NRC/HQ
R. G. Joshi, NRC/HQ
R. H. Kitchen, PGN
M. C. Kray, NuStart
A. M. Monroe, SCE&G
C. R. Pierce, SNC
R. Register, DOE/PM
L. Reyes, NRC/RII
J. M. Sebrosky, NRC/HQ

Enclosure
TVA letter dated December 3, 2008
RAI Response

Response to NRC Request for Additional Information letter No. 134 dated November 3, 2008
(2 pages, including this list)

Subject: Turbine Building Closed Cooling Water System in the Final Safety Analysis Report

RAI Number	Date of TVA Response
09.02.02-01	This letter – see following page

Associated Additional Attachments / Enclosures	Pages Included
None	

Enclosure
TVA letter dated December 3, 2008
RAI Response

NRC Letter Dated: November 3, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 09.02.02-01

FSAR Section 9.2.8.2.3, "Startup," in the Bellefonte Combined Operating License application, Revision 0, eliminates the bracketed Conceptual Design Information that is specified in Revision 16 of the AP1000 Design Control Document (DCD) from the following sentence: "The turbine building closed cooling water system is placed in operation during the plant startup sequence [[after the circulating water system is in operation but]] prior to the operation of systems that require turbine building closed cooling water flow." Additional information is needed to either provide the bracketed information or to properly recognize and justify the elimination of the bracketed information as a proposed departure from the AP1000 DCD.

BLN RAI ID: 2114

BLN RESPONSE:

FSAR Section 9.2.8.2.3 will be updated in the next revision of the COLA to include the bracketed information for the turbine building closed cooling water system startup as shown below. The FSAR change provides the needed Conceptual Design Information; as such, a departure from the DCD is not required.

This response is PLANT-SPECIFIC.

ASSOCIATED BLN COL APPLICATION REVISIONS:

COLA Part 2, FSAR, Chapter 9, Section 9.2.8.2.3, will be revised from:

The turbine building closed cooling water system is placed in operation during the plant startup sequence prior to the operation of systems that require turbine building closed cooling water flow. The system is filled by the demineralized water transfer and storage system through a fill line to the surge tank. The system is placed in operation by starting one of the pumps.

To read:

The turbine building closed cooling water system is placed in operation during the plant startup sequence after cooling water flow from the CWS, or RWS when applicable, is established but prior to the operation of systems that require turbine building closed cooling water flow. The system is filled by the demineralized water transfer and storage system through a fill line to the surge tank. The system is placed in operation by starting one of the pumps.

ASSOCIATED ATTACHMENTS/ENCLOSURES:

None