



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

June 5, 2008

10 CFR 52.79

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

In the Matter of)
Tennessee Valley Authority)

Docket No. 52-014 and 52-015

BELLEFONTE (BLN) COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION (RAI) – PRESSURE-TEMPERATURE LIMITS

Reference Letter: Letter from Ravindra G. Joshi (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 005 Related to SRP Section 05.03.02 for the Bellefonte Units 3 and 4 Combined License Application, dated April 23, 2008.

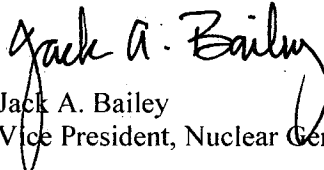
This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission (NRC) RAI items included in the reference letter. The items address the pressure-temperature limits.

The enclosure provides responses to the RAI and identifies changes that will be made in a future revision of the BLN application.

If you should have any questions, 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.

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

Executed on this 5th day of June, 2008.


Jack A. Bailey
Vice President, Nuclear Generation Development

Enclosure
cc: See page 2

DOBS
NRD

Document Control Desk

Page 2

June 5, 2008

cc (Enclosure)

J.M. Sebrosky, NRC/HQ
R.G. Joshi/NRC
M.P. Cazaubon, NuStart
R. B. Clary, SCE&G
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M.W. Gettler, FP&L
R. C. Grumbir, NuStart
P. S. Hastings, NuStart
P. Hinnenkamp, Entergy
D. Lindgren, Westinghouse
G. D. Miller, PGN
G. Serviere,
G. A. Zinke, NuStart

cc (w/o Enclosure):

R. H. Kitchen, PGN
M.C. Kray, NuStart
A. M. Monroe, SCE&G
C. R. Pierce, SNC
R. Reister, DOE/PM
L. Reyes, NRC/RII

Enclosure
TVA Letter Dated June 5, 2008
RAI Responses

Responses to NRC Request for Additional Information letter No. 005 dated April 23, 2008
(2 Pages, including this list)

Subject: Pressure-temperature limits in the Final Safety Analysis Report

<u>RAI Number</u>	<u>Date of TVA Response</u>
05.03.02-01	This letter – see following pages Future submittal as identified in the response

Attachments / Enclosures

Pages Included

None

Enclosure
TVA Letter Dated June 5, 2008
RAI Responses

NRC Letter Dated: April 23, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 05.03.02-01

The NRC staff's understanding is that a) Westinghouse intends to submit for NRC staff review and approval a generic Pressure Temperature Limit Report (PTLR) for the AP1000 reactor vessel using the bounding properties and b) Westinghouse intends to seek NRC approval to update the AP1000 DCD to include the use of the generic AP1000 PTLR by all COL applicants. In light of these assumptions, please explain whether TVA will revise the proposed license condition in the Bellefonte Nuclear Plant, Units 3 and 4 Application, Part 10, Section 2, COL Holder Items, COL Item # 5.3-1, as follows: "The COL Holder shall update the P/T limits using the PTLR methodologies approved in the AP1000 DCD, and using the plant-specific material properties. The COL Holder will inform the NRC of the updated P/T limits." This approach would be consistent with that used for all operating reactors (see NRC Generic Letter 96-03), under which licensees using PTLRs inform the NRC staff of any subsequent change in P/T limits, without the need for prior NRC approval, as long as there are no changes to the approved PTLR methodology.

BLN RAI ID: 0103

BLN RESPONSE:

A response to this request would be premature prior to the actual Westinghouse submittal of the expected generic Pressure Temperature Limit Report (PTLR) for the AP1000 reactor vessel using the bounding properties, along with a revised Combined License Information Item. A revised response to this request will be provided within 30 days of the Westinghouse submittal.

However, it should be noted that it is our understanding that the Westinghouse generic PTLR is intended to provide generic curves that can be used without further evaluation if the reactor vessel material properties meet specifications. Thus, the proposed revision to the license condition will likely allow use of the generic curves if the reactor vessel material properties meet specifications.

This response is expected to be STANDARD for the S-COLAs.

ASSOCIATED BLN COL APPLICATION REVISIONS:

The COLA revisions associated with this response have not yet been determined

ATTACHMENTS/ENCLOSURES:

None