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

July 28, 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 – TSUNAMI RELATED FLOODING

Reference: Letter from Joseph Sebrosky (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 065 Related to SRP Section 02.04.06 for the Bellefonte Units 3 and 4 Combined License Application, dated July 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 Phillip Ray at 1101 Market Street, LP5A, 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 28th day of July, 2008.

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

Enclosure
cc: See Page 2

D085
NRC

cc: (Enclosures)

J. P. Berger, EDF
J. M. Sebrosky, NRC/HQ
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M.W. Gettler, FP&L
R . 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
G. A. Zinke, NuStart

cc: (w/o Enclosure)

B. C. 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. Reister, DOE/PM
L. Reyes, NRC/RII
T. Simms, NRC/HQ

Enclosure
TVA letter dated July 28, 2008
RAI Response

Responses to NRC Request for Additional Information letter No. 065 dated July 3, 2008
(2 pages, including this list)

Subject: Tsunami Related Flooding as described in the Final Safety Analysis Report

RAI Number	Date of TVA Response
02.04.06-1	This letter – see following pages

Associated Additional Attachments / Enclosures	Pages Included
None	

Enclosure
TVA letter dated July 28, 2008
RAI Response

NRC Letter Dated: July 3, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 02.04.06-01

TVA should check for consistency in sections throughout the FSAR related to hillslope failure-generated tsunami-like waves and correct any inconsistencies that are found. This issue is associated with Attachment 5, item 36, of the May 13 -16, 2008, hydrology-related safety site trip report dated June 12, 2008 (ADAMS accession number ML081610308).

BLN RAI ID: 658

BLN RESPONSE

The FSAR was reviewed for consistency related to hillslope failure-generated tsunami-like waves discussion and descriptions. Geologic and seismic characteristics of the region are discussed in FSAR Section 2.5. As identified, small landslides do occur on the steeper slopes of River Ridge. However, the volume of landslide material is small such that potential landslide waves would be insignificant. As shown in FSAR Figure 2.5-229, the geology of the opposite bank is such that significant landslides would not occur, because of the sloping trend into the bank.

This response is PLANT SPECIFIC

ASSOCIATED BLN COL APPLICATION REVISIONS

1. COLA Part 2, FSAR Chapter 2, Subsection 2.4.2.2 will be revised from:

Flood waves from landslides into upstream reservoirs required no specific analysis, in part because of the absence of major elevation relief in nearby upstream reservoirs and because the prevailing thin soils offer small slide volume potential compared to the available detention space in reservoirs. Additional details are provided in Subsection 2.4.9.

To read:

Flood waves from landslides into upstream reservoirs required no specific analysis due to the small volume of available landslide material and regional geology. Additional details are provided in Subsection 2.4.9 and Section 2.5.

2. COLA Part 2, FSAR Chapter 2, Subsection 2.4.6 will be revised to add the following after the first paragraph:

Geologic and seismic characteristics of the region are discussed in FSAR Section 2.5. As identified, small landslides do occur on the steeper slopes of River Ridge. Because the volume of landslide material is small potential landslide waves would be insignificant. As shown in FSAR Figure 2.5-229, the geology of the opposite bank is such that significant landslides would not occur due to the sloping trend into the bank.

ASSOCIATED ATTACHMENTS/ENCLOSURES

None