



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

June 23, 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 COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR
ADDITIONAL INFORMATION – CONTROL ROOM HABITABILITY**

Reference: Letter from Ravindra G. Joshi (NRC) to Andrea L. Sterdis (TVA), Request for
Additional Information Letter No. 012 Related to SRP Section 06.04 for the
Bellefonte Units 3 and 4 Combined License Application, dated May 12, 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. The items address the control room habitability evaluation.

The enclosure provides response 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, 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 23rd day of June, 2008

Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs

Enclosure

cc: See Page 2

A102
D085
NRO

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cc: (Enclosures)

J. P. Berger, EDF
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M.W. Gettler, FP&L
R.C. Grumbir, NuStart
P. S. Hastings, NuStart
P. Hinnenkamp, Entergy
R.G. Joshi, NRC/HQ
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. H. Kitchen, PGN
M.C Kray, NuStart
A. Monroe, SCE&G
C. R. Pierce, SNC
R. Reister, DOE/PM
L. Reyes, NRC/RII
T. Simms, NRC/HQ
J. M. Sebrosky, NRC/HQ

Enclosure
TVA letter dated June 23, 2008
RAI Responses

Responses to NRC Request for Additional Information letter No. 012 dated May 12, 2008
(2 pages)

Subject: Control Room Habitability Evaluation

<u>RAI Number</u>	<u>Date of TVA Response</u>
06.04-01	This letter – see following pages

<u>Attachments / Enclosures</u>	<u>Pages Included</u>
None	

Enclosure
TVA letter dated June 23, 2008
RAI Responses

NRC Letter Dated: May 12, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 06.04-01

The Bellefonte COL FSAR Table 2.3-321, "Control Room Atmospheric Dispersion Factors for Accident Dose Analysis," provides, among other release points, a release point called "Steam Vent." This term for a release point is not used in the AP1000 DCD, Rev. 16, Table 15A-6, which is the corresponding table in the AP1000 DCD for use in design basis radiological consequences analyses. Please describe which AP1000 DCD Table 15A-6 design reference release point is equivalent to the Bellefonte FSAR Table 2.3-321 release point termed "Steam Vent," and which associated design basis accident analyses use those control room atmospheric dispersion factors. In addition, make the terminology in Bellefonte Table 2.3-321 consistent with that of DCD Table 15A-6.

BLN RAI ID: 0350

BLN RESPONSE:

The heading for the "Steam Vent" columns in Table 2.3-321 and Table 2.0-202 will be revised to match the corresponding DCD Table 15A-6 identified release point of "Steam Line Break Releases." The steam line break release points and associated design basis accident analyses are as described in DCD Chapter 15, Subsection 15.1.5.

This response is PLANT-SPECIFIC.

ASSOCIATED BLN COL APPLICATION REVISIONS:

1. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-202, column headings (two) will be revised from:
"Steam Vent"
To read:
"Steam Line Break Releases"
2. COLA Part 2, FSAR Chapter 2, Section 2.3, Table 2.3-321, column headings (two) will be revised from:
"Steam Vent"
To read:
"Steam Line Break Releases"

ATTACHMENTS/ENCLOSURES:

None