



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

August 29, 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 – SEISMIC CLASSIFICATION**

- Reference:
- 1) Letter from Brian Hughes (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No.116 Related to SRP Section 3.2.1 for the Bellefonte Units 3 and 4 Combined License Application, dated August 8, 2008.
 - 2) Letter from Jack A. Bailey (TVA) to Document Control Desk (NRC), Response to NRC Letter 104, Seismic Classification, dated August 29, 2008.
 - 3) Letter from Andrea L. Sterdis (TVA) to Document Control Desk (NRC), Response to NRC Letter 016, Quality Assurance, dated June 24, 2008.
 - 4) Letter from Andrea L. Sterdis (TVA) to Document Control Desk (NRC), Response to NRC Letter 066, Regulatory Guide Conformance, dated August 19, 2008.

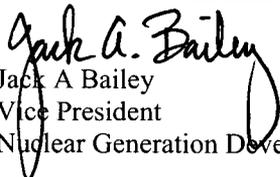
This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) item included in the reference letter.

A response to each NRC request in the subject letter (Reference 1) is addressed in the enclosure which does not identify any associated changes to 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 29th day of Aug, 2008.


 Jack A Bailey
 Vice President
 Nuclear Generation Development

Enclosure
cc: See Page 2

*DOB5
NKD*

Document Control Desk

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cc: (w/Enclosure)

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M. M. Comar, NRC/HQ
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Enclosure
TVA letter dated August 29, 2008
RAI Responses

Responses to NRC Request for Additional Information letter No. 116 dated August 8, 2008.
(3 pages, including this list)

Subject: Seismic Classification in the Final Safety Analysis Report

<u>RAI Number</u>	<u>Date of TVA Response</u>
03.02.01-02	This letter – see following pages
03.02.01-03	This letter – see following pages

Associated Additional Attachments / Enclosures

Pages Included

None

Enclosure
TVA letter dated August 29, 2008
RAI Responses

NRC Letter Dated: August 8, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 03.02.01-02

Section 1.8 of the DCD, Rev.16 identifies certain site-specific SSCs that are outside the scope of the AP1000 standard plant, such as the circulating water system and its heat sink, and for which the COL applicant will be required to provide site-specific information. DCD Table 3.2-3 does not identify the seismic classification of the circulating water system. Section 1.8 of the FSAR identifies certain COL items that represent interfaces for the standard design, but it does not identify the seismic classification for the circulating water system.

Please clarify whether there are any site-specific SSCs outside the scope of the DCD that are not included in DCD Tables 3.2-2 and 3.2-3 but that are to be seismically classified in the COL. If so, please identify the appropriate seismic classification of such SSCs.

BLN RAI ID: 1107

BLN RESPONSE:

There are no site-specific SSCs outside the scope of the DCD that are not included in DCD Tables 3.2-2 and 3.2-3 but that are to be seismically classified in the COL. The nonsafety-related SSCs outside the scope of the DCD are classified non-seismic (NS).

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

ASSOCIATED BLN COL APPLICATION REVISIONS:

Associated clarifying changes to COLA Part 2, FSAR Chapter 3, Subsection 3.2.1, were provided with the response to NRC RAI Number 03.02.01-01 (BLN-RAI-LTR-104, Reference 2).

ASSOCIATED ATTACHMENTS/ENCLOSURES:

None

Enclosure
TVA letter dated August 29, 2008
RAI Responses

NRC Letter Dated: August 8, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 03.02.01-03

Subsection 3.2.1 of the FSAR does not identify any departures relative to seismic classification identified in the DCD and FSAR Section 1AA identifies conformance with RG 1.29 Revision 3 in the DCD rather than Revision 4 dated 3/07.

Clarify whether seismic classifications of any site-specific SSCs not addressed in the DCD are consistent with RG 1.29 Revision 4.

BLN RAI ID: 1109

BLN RESPONSE:

Quality group classification of site-specific SSCs not addressed in the DCD is consistent with Regulatory Guide 1.29, Revision 4. This is consistent with the response to NRC RAI Number 17.05-15 (BLN-RAI-LTR-016, Reference 3) and NRC RAI Number 01-05 (BLN-RAI-LTR-066, Reference 4) which identified conformance with Revision 4 of Regulatory Guide 1.29.

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

ASSOCIATED BLN COL APPLICATION REVISIONS:

COLA revisions associated with this response were previously provided as identified in the above response.

ASSOCIATED ATTACHMENTS/ENCLOSURES:

None