



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

July 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 )

No. 52-014 and 52-015

**BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR  
ADDITIONAL INFORMATION – CORRECTION OF ERROR IN SUBMITTAL FOR  
RECIRCULATION COL ITEM**

- Reference:
1. Letter from Ravindra G. Joshi (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 030 Related to SRP Section 06.02.02 for the Bellefonte Units 3 and 4 Combined License Application, dated June 6, 2008
  2. Letter from Andrea L. Sterdis (TVA) to Document Control Desk (NRC), Bellefonte Combined License Application – Response To Request For Additional Information – Recirculation COL Item, dated June 30, 2008.

This letter provides a corrected enclosure to Reference 2. The header of the second page of the enclosure to Reference 2 inadvertently identified the submitting letter date of July 1, 2008. The correct date is June 30, 2008.

The enclosure to the Reference 2 has been revised with the correct date of the submittal letter of June 30, 2008. Please replace in its entirety the Reference 2 Enclosure with the corrected Enclosure under this cover.

The Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) items included in the Reference 1 has not changed from the original response dated June 30, 2008.

D 085  
NRC

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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 29<sup>th</sup> day of July, 2008.



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

Enclosure: Revised Enclosure for Reference 2

cc: See Page 3

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cc: (Enclosure)

- 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. M. 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 July 29, 2008  
RAI Responses

**Revised Enclosure for Reference 2**

Enclosure  
TVA letter dated June 30, 2008  
RAI Responses

Responses to NRC Request for Additional Information letter No. 030 dated June 6, 2008  
(3 pages, including this list)

Subject: Quality Assurance

<u>RAI Number</u>	<u>Date of TVA Response</u>
06.02.02-01	This letter – see following pages

<u>Attachments / Enclosures</u>
None

<u>Pages Included</u>
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Enclosure  
TVA letter dated June 30, 2008  
RAI Responses

**NRC Letter Dated: June 6, 2008**

**NRC Review of Final Safety Analysis Report**

**NRC RAI NUMBER: 06.02.02-01**

With regard to the containment recirculation systems, please describe TVA's plan to include the recent AP1000 recirculation submittals into the Bellefonte licensing basis and address the two COL items associated with them, COL items 6.3-1 (FSAR Section 6.3.8.1) and 6.3-2 (introduced in Enclosure 2 of TVA letter dated January 14, 2008).

**BLN RAI ID: 0569**

**BLN RESPONSE:**

COL item 6.3-1 is addressed in the BLN COL Application, Part 2, FSAR, Table 1.8-202 and Subsection 6.3.8.1, and in Part 10, Proposed License Condition 2, item 6.3-1. This portion of the COL application was not affected by the revisions in the TVA letter dated January 14, 2008.

COL item 6.3-2 was introduced in the TVA letter dated January 14, 2008, in response to a proposed change to the incorporated by reference AP1000 DCD Revision 16 identified in the Westinghouse TR134, Revision 3 dated January 14, 2008. The necessary associated changes to the COLA were shown in the January 14, 2008, letter referenced in the question. These revisions will be included in a future application revision as indicated in that letter with the exception that the title of the COL item will be revised in COLA Part 2, FSAR, Chapter 1, Table 1.8-202 and COLA Part 10, Proposed License Condition 2, COL holder item 6.3-2 to match the DCD. These associated changes are repeated in the Application Revisions section below with the title correction.

Note, however, that Westinghouse is addressing COL item 6.3-2 with APP-GW-GLR-147 (TR147) and this is expected to result in the eventual removal of the COL holder item from the DCD. This is anticipated to occur during a future submittal of a Westinghouse TR134 revision or the eventual submittal of Revision 17 of the DCD. The WEC submittal would then be followed by the associated COLA removal of the associated changes shown below.

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

Enclosure  
 TVA letter dated June 30, 2008  
 RAI Responses

ASSOCIATED BLN COL APPLICATION REVISIONS:

1. COLA Part 2, FSAR Chapter 1, Table 1.8-202, will be revised to add a new line item:

6.3-2	Verification of Containment Resident H Particulate Debris Characteristics	6.3.8.2	6.3.8.2
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2. COLA Part 2, FSAR Chapter 6, Section 6.3.8 will be revised to add new Subsection 6.3.8.2 (with an LMA of STD COL 6.3-2) to read:

6.3.8.2 Verification of Water Sources for Long-Term Recirculation Cooling Following a LOCA  
 Insert the following information between the first and second paragraphs of DCD Subsection 6.3.8.2.

An assessment of the acceptability of the screen performance will be provided by performing testing and analysis of the screens. Downstream effects will be assessed to confirm the coolability of the core. The testing, analysis, and assessments will be completed prior to fuel load.

3. COLA Part 10, Proposed License Condition 2, "COL Holder Items," will be revised to include an additional COL holder 6.3-2, to read:

6.3-2	Verification of Water Sources for Long-Term Recirculation Cooling Following a LOCA	6.3.8.2	Prior to initial fuel load
<p>After a Combined License is issued, the following activities are completed by the COL holder:</p> <p>The combined license holder referencing the AP1000 design will provide an assessment of the acceptability of the screen performance by performing testing and analysis of the screens. Downstream effects will be assessed to confirm the coolability of the core.</p>			

ATTACHMENTS/ENCLOSURES:

None