



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

July 25, 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 – SRP SECTION 05.02.01.02

Reference: Letter from Ravindra Joshi (NRC) to Andrea L. Sterdis (TVA), Request for
Additional Information Letter No. 052 Related to SRP Section 05.02.01.02
for the Bellefonte Units 3 and 4 Combined License Application, dated June
25, 2008.

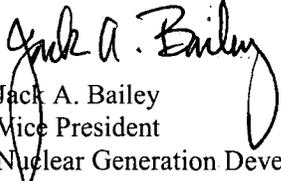
This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory
Commission's (NRC) request for additional information (RAI) items included in the reference
letter.

A response to each NRC request in the subject letter 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 25th day of July, 2008.


Jack A. Bailey
Vice President
Nuclear Generation Development

Enclosure
cc: See page 2

DOSS
NRD

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July 25, 2008

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. 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 Date 25, 2008

Responses to NRC Request for Additional Information letter No. 052 dated June 25, 2008
(3 pages, including this list)

Subject: CODE RECONCILIATION in the Final Safety Analysis Report

RAI Number

Date of Response

05.02.01.02-01

This letter – see following pages

05.02.01.02-02

This letter – see following pages

Associated Additional Attachments / Enclosures

Pages Included

None

Enclosure
TVA letter dated July 25, 2008
RAI Responses

NRC Letter Dated: June 25, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER 05.02.01.02-01

In Section 5.2.6, "Combined License Information Items," of the AP1000 DCD Tier 2, Subsection 5.2.6.1 specifies that the COL applicant will address (a) portions of later ASME Code editions and addenda to be used to construct components that will require NRC staff review and approval; (b) consistency of the design with the construction practices (including inspection and examination methods) of later ASME Code edition and addenda added as part of the COL application; and (c) addition of ASME Code Cases approved subsequent to the Design Certification. In FSAR Section 5.2.6.1, "ASME Code and Addenda," the Bellefonte COL applicant states that this COL Item is addressed in Subsection 5.2.1.1, but does not discuss the implementation of the AP1000 provisions in Subsection 5.2.6.1. Discuss the implementation of the AP1000 provisions specified in Subsection 5.2.6.1.

BLN RAI: 599

BLN Response:

As indicated in the response to Bellefonte Combined License Application – Response to Request for Additional Information, NRC letter No. 24 – Code Compliance, RAI No. 05.02.01.01-1, dated July 3, 2008, there is no intent to specify portions of ASME Code, Section III, editions and addenda, approved subsequent to those identified in the certified AP1000 design. Also, as indicated in the response to Bellefonte Combined License Application – Response to Request for Additional Information, NRC letter No. 51 – Code Compliance, RAI No. 05.02.01.01-4, there are no additional code cases for design and construction beyond those identified in the DCD. FSAR Subsection 5.2.1.1 will be revised as indicated in the two RAI response letters identified above; no additional changes are required.

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

ASSOCIATED BLN COL APPLICATION REVISIONS

COLA will be revised as shown in the above identified associated RAI responses.

ATTACHMENTS/ENCLOSURES

None

Enclosure
TVA letter dated July 25, 2008
RAI Responses

NRC Letter Dated: June 25, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER 05.02.01.02-02

AP1000 DCD Revision 16, Section 5.2.1.2 indicates that use of Code Cases approved in revisions of the Regulatory Guides issued subsequent to the Design Certification may be used as discussed in subsection 5.2.6.1 by the Combined License applicant using the process outlined for updating the ASME Code edition and addenda, and Section 5.2.6.1 states that the Combined License applicant will address in its application the addition of ASME code cases approved subsequent to design certification. Similar to the Section III Code Cases listed in DCD Table 5.2-3, provide a list of Section XI inservice/inspection and the Operation and Maintenance (OM) Code Cases that are used for Bellefonte design and construction. Confirm whether these Code Cases are approved by NRC as documented in Regulatory Guides (RG) 1.147 and 1.192. If not, these Code Cases must be submitted to NRC for authorization pursuant to 10CFR50.55a(a)(3).

BLN RAI: 600

BLN Response:

As indicated in the response to Bellefonte Combined License Application – Response to Request for Additional Information, NRC letter No. 51 – Code Compliance, RAI No. 05.02.01.01-04, there are no additional Code Cases used for design and construction beyond those identified in the DCD. In addition, no ASME Section XI inservice/inspection code cases or ASME Operation and Maintenance (OM) Code cases have been identified as necessary for design and construction. FSAR Subsection 5.2.4.1 discusses the use of ASME Code Case N-729-1 as modified by the NRC Staff Position, included in an attachment to a letter from John A. Globe, NRC, to James H. Riley, NEI, dated August 9, 2006, to perform the inspection of the AP1000 reactor pressure vessel head. The IST Program described in FSAR Subsection 3.9.6 will utilize Code Case OMN-1, Revision 1, "Alternative Rules for the Preservice and Inservice Testing of Certain Electric Motor-Operated Valve Assemblies in Light Water Reactor Power Plants." Code Case OMN-1 establishes alternate rules and requirements for preservice and inservice testing to assess the operational readiness of certain motor operated valves.

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

ASSOCIATED BLN COL APPLICATION REVISIONS

COLA will be revised as shown in the above identified associated RAI response.

ATTACHMENTS/ENCLOSURES

None