



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

June 5, 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 – STEAM GENERATOR PROGRAM**

Reference Letter: Letter from Ravindra G. Joshi (NRC) to Andrea L. Sterdis (TVA), Request for  
Additional Information Letter No. 003 Related to SRP Section 05.04.02.02 for the  
Bellefonte Units 3 and 4 Combined License Application, dated April 22, 2008.

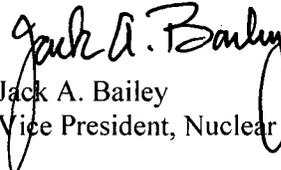
This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory  
Commission (NRC) request for additional information (RAI) items included in the reference  
letter. The items address the steam generator tube inspection program.

The enclosure provides responses to the RAIs 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, LP 5A,  
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 5<sup>th</sup> day of June, 2008.

  
Jack A. Bailey  
Vice President, Nuclear Generation Development

*085  
JRO*

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Enclosure

cc: (w/enclosure)

M.P. Cazaubon, NuStart

R. B. Clary, SCE&G

E. Cummins, Westinghouse

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P. Hinnenkamp, Entergy

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(w/o enclosure)

cc:

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

Enclosure  
TVA letter dated June 5, 2008  
RAI Responses

Responses to NRC Request for Additional Information letter No. 003 dated April 22,  
2008  
(4 Pages, including this list)

Subject: Steam generator program in the Final Safety Analysis Report

<u>RAI Number</u>	<u>Date of TVA Response</u>
05.04.02.02-01	This letter – see following pages
05.04.02.02-02	This letter – see following pages

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

Enclosure  
TVA letter dated June 5, 2008  
RAI Responses

**NRC Letter Dated: April 22, 2008**

**NRC Review of Final Safety Analysis Report**

**NRC RAI NUMBER: 05.04.02.02-01**

According to SRP Section 5.4.2.2, the Steam Generator Program is an operational program that should be fully described, with implementation milestones listed in the appropriate table in Chapter 13 of the FSAR. Because Table 13.4-201 (“Operational Programs Required by NRC Regulations”) of the COL application for Bellefonte Units 3 and 4 does not reference FSAR Section 5.4 or the Technical Specifications containing the implementation requirements for steam generator tube inspection, please discuss how the application ensures the Steam Generator Program is included as an operational program.

**BLN RAI ID: 0102**

**BLN RESPONSE:**

TVA will revise FSAR Table 13.4-201 to include the steam generator tube inspection programs in the Inservice and Pre-Service Inspection Programs by including a reference to FSAR Section 5.4.2.5.

Note that the change also includes editorial revisions in the reference to the “requirements” (far right) column in the FSAR change identified below. Deletion of the ASME XI years in item 1 is for consistency with item 4; the years are not necessary in this table because they are provided in the appropriate text.

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

**ASSOCIATED BLN COL APPLICATION REVISIONS:**

COLA Part 2, FSAR Chapter 13, Table 13.4-201, will be revised from:

1.	Inservice Inspection Program	10 CFR 50.55a(g)	5.2.4, 6.6	Prior to Commercial service	10 CFR 50.55a(g); ASME XI 2001 2004 IWA 2430(b) (Reference 201)
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To read:

1.	Inservice Inspection Program	10 CFR 50.55a(g)	5.2.4, 5.4.2.5, 6.6	Prior to Commercial service	10 CFR 50.55a(g); ASME XI IWA-2430(b) (Reference 201)
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Enclosure  
TVA letter dated June 5, 2008  
RAI Responses

COLA Part 2, FSAR Chapter 13, Table 13.4-201, will be revised from:

4.	Preservice Inspection Program	10 CFR 50.55a(g)	5.2.4, 6.6	Completion prior to initial plant start-up	10 CFR 55a(g); ASME Code Section XI IWB-2200(a) (Reference 201)
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To read:

4.	Preservice Inspection Program	10 CFR 50.55a(g)	5.2.4, 5.4.2.5, 6.6	Completion prior to initial plant start-up	10 CFR 50.55a(g); ASME XI IWB-2200(a) (Reference 201)
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**ATTACHMENTS/ENCLOSURES:**

None

Enclosure  
TVA letter dated June 5, 2008  
RAI Responses

**NRC Letter Dated: April 22, 2008**

**NRC Review of Final Safety Analysis Report**

**NRC RAI NUMBER: 05.04.02.02-02**

According to SRP Section 5.4.2.2, an acceptable steam generator inspection program will ensure that all tubes are inspected before being placed into service, using techniques that are expected to be used during subsequent inspections. Since this preservice inspection is not addressed by the proposed Technical Specifications, please discuss how TVA will ensure it is performed for Bellefonte Units 3 and 4.

**BLN RAI ID: 0302**

**BLN RESPONSE:**

TVA will revise FSAR Table 13.4-201 to include the steam generator tube inspection programs in the Pre-Service Inspection Program by including a reference to FSAR Section 5.4.2.5.

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

**ASSOCIATED BLN COL APPLICATION REVISIONS:**

COLA Part 2, FSAR Chapter 13, Table 13.4-201, will be revised as shown in the response to NRC RAI Number 05.04.02.02-01.

**ATTACHMENTS/ENCLOSURES:**

None