

## **PMBeCOL NPEmails**

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**From:** Ray, Phillip M [pmray@tva.gov]  
**Sent:** Tuesday, January 08, 2008 10:42 AM  
**To:** Peter S Hastings; rgrumbir@gmail.com; Joseph Sebrosky  
**Subject:** Letter to the NRC addressing future changes to the BLN application  
**Attachments:** document2008-01-08-202752.pdf

Joe,

As we discussed, I have attached a PDF copy of the letter sent to you today in overnight mail addressing the future changes to the BLN application. If you would like to discuss the contents of the letter I am available.

*Phillip M. Ray*

Bellefonte Licensing Manager  
Nuclear Generation Development  
Tennessee Valley Authority  
423-751-7030

**Hearing Identifier:** Bellefonte\_COL\_NonPublic\_EX  
**Email Number:** 69

**Mail Envelope Properties** (pmray@tva.gov20080108104212)

**Subject:** Letter to the NRC addressing future changes to the BLN application  
**Sent Date:** 1/8/2008 10:42:12 AM  
**Received Date:** 1/8/2008 10:42:12 AM  
**From:** Ray, Phillip M

**Created By:** pmray@tva.gov

**Recipients:**

"Peter S Hastings" <pshastings@duke-energy.com>  
Tracking Status: None  
"rgrumbir@gmail.com" <rgrumbir@gmail.com>  
Tracking Status: None  
"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	355	1/8/2008 10:42:12 AM
document2008-01-08-202752.pdf		1322882

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**



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

January 8, 2008

10 CFR 52.79

Mr. R. William Borchardt  
Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Borchardt:

In the Matter of )  
Tennessee Valley Authority )

Project No. 740

NUCLEAR REGULATORY COMMISSION (NRC) – BELLEFONTE NUCLEAR  
PLANT (BFN) – COMBINED LICENSE APPLICATION –

CHANGE TO PART 2, FINAL SAFETY ANALYSIS, CHAPTER 17  
– CLARIFICATION AND REFERENCE OF THE TENNESSEE  
VALLEY AUTHORITY (TVA) NUCLEAR QUALITY  
ASSURANCE (NQA) PLAN (TVA-NQA-PLN89-A)

ADDITION OF THE EMERGENCY PLAN CERTIFICATION  
LETTERS FROM THE STATES OF TENNESSEE AND GEORGIA

The purpose of this letter is to address NRC identified acceptance items to the application submitted in the letter from Ashok Bhatnagar to R. William Borchardt, “Application for Combined License for Bellefonte Units 3 and 4,” dated October 30, 2007.

In the referenced letter, TVA submitted a combined license application for two AP1000 advanced passive pressurized water reactors at the Bellefonte site in Jackson County, Alabama, designated as Bellefonte Units 3 and 4.

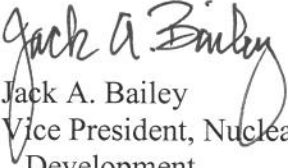
Mr. R. William Borchardt  
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As a result of discussions with the Staff, TVA is providing the enclosed information as clarification of the application in support of the ongoing acceptance review. Enclosure 1 contains the changes related to Chapter 17 of the Final Safety Analysis Report. Enclosure 2 contains two Emergency Plan certification letters from the states of Tennessee and Georgia. Both enclosures will be incorporated in a future amendment to the Bellefonte application.

The commitments identified in this letter are described in Enclosures 1 and 2. If there are any questions concerning these changes, please contact Phillip Ray at (423) 751-7030.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 8<sup>th</sup> day of Jan, 2008.

  
Jack A. Bailey  
Vice President, Nuclear Generation  
Development

Enclosures (2)  
cc (Enclosures):

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Mr. R. William Borchardt

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Mr. R. William Borchardt

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## Enclosure 1

### Bellefonte Units 3 & 4 Combined License Application Changes to Part 2 (FSAR), Chapter 17

#### Background

During discussions associated with the NRC Staff's acceptance review of the Bellefonte combined license application, the Staff requested clarification regarding the applicability of TVA's quality assurance (QA) program and delegation of QA program requirements to NuStart and others.

#### Description of Change

The change to Part 2 (FSAR), Section 17.1 (Quality Assurance During the Design and Construction Phases), as indicated in redline/strikeout format on the following page, will be incorporated in a future revision of the Bellefonte application. In addition, the following reference will be added to Part 2, Section 17.8 (References):

204. Tennessee Valley Authority, "Tennessee Valley Authority Nuclear Quality Assurance Plan," TVA-NQA-PLN89-A.

## CHAPTER 17

### QUALITY ASSURANCE

#### 17.1 QUALITY ASSURANCE DURING THE DESIGN AND CONSTRUCTION PHASES

This section of the referenced DCD is incorporated by reference with the following departures and/or supplements.

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Replace the information in DCD Section 17.1 with the following information.

BLN COL 17.5-1

Tennessee Valley Authority (TVA) is responsible for the establishment and execution of quality assurance program requirements during the design and construction phases of Bellefonte Nuclear Plant Units 3 and 4. TVA may delegate and has delegated to others, such as NuStart Energy Development, LLC, Enercon Services, Inc., and Westinghouse Electric Company, the work of establishing and executing the quality assurance program, or any parts thereof, but retains responsibility for the quality assurance program.

Effective during COL application development, through and until COL issuance, the NuStart Energy Development, LLC (NuStart) Quality Assurance (QA) program, along with the Westinghouse Electric Company Quality Management System (DCD Section 17.6 Reference 9) defines the QA program requirements for design activities. Construction activities at Bellefonte are not planned before the COL is issued.

NuStart was created in part for the purpose of demonstrating the licensing process defined by 10 CFR Part 52. NuStart consists of multiple utilities including the Tennessee Valley Authority (TVA). NuStart contracted with Enercon Services, Inc. to develop the Bellefonte Nuclear Plant Units 3 and 4 COL application, including site characterization activities. The process of collection, review and analysis of specific data for site characterization was performed under the Enercon Quality Assurance Program and is described in the "Enercon Quality Assurance Project Planning Document" (Reference 201). NuStart maintains oversight of the activities performed under the COL application contract. TVA maintains oversight under its existing 10 CFR Part 50, Appendix B program, as described in "Tennessee Valley Authority Nuclear Quality Assurance Plan," (TVA-NQA-PLN89-A) (Reference 204). TVA oversight is provided through its review and approval of the "NuStart Energy Project Instruction-Quality Assurance Plan" (Reference 202), by conducting QA audits and surveillances of NuStart activities and processes, and by direct participation in COL development activities, including providing site-specific applicant input and review of COL application content, signing the COL application as the applicant at submittal, and working directly with NuStart and contractors to respond to NRC requests for additional information.

The "Quality Assurance Program Description" (QAPD) discussed in Section 17.5 will become effective at COL issuance, and establishes the QA program requirements for the remaining portion of the design and construction phases.

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## Enclosure 2

### Bellefonte Units 3 & 4 Combined License Application Emergency Plan Certification Letters

#### Background

During discussions associated with the NRC Staff's acceptance review of the Bellefonte combined license application, the Staff requested addition of two Emergency Plan certification letters from the states of Tennessee and Georgia.

#### Description of Change

The two attached certification letters will be incorporated in a future revision of the Bellefonte application. This incorporation will include appropriate notation in the Emergency Plan text and inclusion as a reference in Appendix 7, "Certification Letters."

**TENNESSEE EMERGENCY MANAGEMENT AGENCY  
CERTIFICATION**

The Tennessee Emergency Management Agency certifies that:

- The Agency's actions under the proposed emergency plans are practicable;
- The Agency is committed to participating in further development of the emergency plans, including any required field demonstrations; and
- The Agency is committed to executing their responsibilities under the plans in the event of an emergency.

James H. Bassham  
Print Name

  
Signature

12/17/07  
Date

Director  
Title  
Tennessee Emergency Management Agency

**GEORGIA EMERGENCY MANAGEMENT AGENCY  
CERTIFICATION**

The Georgia Emergency Management Agency certifies that:

- The Agency's actions under the proposed emergency plans are practicable;
- The Agency is committed to participating in further development of the emergency plans, including any required field demonstrations; and
- The Agency is committed to executing their responsibilities under the plans in the event of an emergency.

Charles A. Dawson

Print Name



Signature

12/12/07

Date

Director of Operations

Title

Georgia Emergency Management Agency