

## **BellefonteRAIsPEm Resource**

---

**From:** Joseph Sebrosky  
**Sent:** Friday, August 08, 2008 10:08 AM  
**To:** BellefonteRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 116 RELATED TO SRP SECTION 3.2.1 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Attachments:** BLN-RAI-LTR-116.doc

**Hearing Identifier:** Bellefonte\_COL\_RAI\_Public  
**Email Number:** 101

**Mail Envelope Properties** (C4A4C9A16294FB4CBA5A36312D05FFAC0A9D0BADE6)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 116 RELATED TO  
SRP SECTION 3.2.1 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Sent Date:** 8/8/2008 10:08:06 AM  
**Received Date:** 8/8/2008 10:08:08 AM  
**From:** Joseph Sebrosky

**Created By:** Joseph.Sebrosky@nrc.gov

**Recipients:**  
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	13	8/8/2008 10:08:08 AM
BLN-RAI-LTR-116.doc	55802	

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

August 8, 2008

Ms. Andrea L. Sterdis  
Manager, Nuclear Licensing & Industry Affairs  
Nuclear Generation Development & Construction  
Tennessee Valley Authority  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 116 RELATED TO  
SRP SECTION 3.2.1 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED  
LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated October 30, 2007, as supplemented by letters dated November 2, 2007, January 8, 2008 and January 14, 2008, Tennessee Valley Authority (TVA) submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-6582 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

***/RA/***

Brian Hughes, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-014  
52-015

eRAI Tracking No. 583, 585

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-6582 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

*/RA/*

Brian Hughes, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-014  
52-015

eRAI Tracking No. 583, 585

Enclosure:  
Request for Additional Information

CC: see next page

Enclosure:  
Request for Additional Information

Distribution:

Public	AHsia	BHughes
RidsNroDnrlNwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	RJoshi	RMcNally
RidsAcrsAcnwMailCenter	PMoulding	
RidsRgn2MailCenter		
JSebrosky		

NRO-002

OFFICE	EMB1*	EMB1/BC		OGC	NWE1/L-PM
NAME	RMcNally	THsia		PMoulding*	BHughes
DATE	7/2/08	7/8/08		8/7/08	8/8/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

Request for Additional Information  
Bellefonte Units 3 and 4  
Tennessee Valley Authority  
Docket No. 52-014 and 52-015  
SRP Section: 03.02.01 - Seismic Classification  
Application Section: 3.2.1

**QUESTIONS from the Engineering Mechanics Branch 1**

03.02.01-2

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.

03.02.01-3

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.

Enclosure