

## **BellefonteRAIsPEm Resource**

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**From:** Tanya Simms  
**Sent:** Tuesday, November 18, 2008 2:19 PM  
**To:** BellefonteRAIsPEm Resource  
**Subject:** Request for Additional Information Letter No. 138 Related To SRP Section 08.03.01 for the Bellefonte Units 3 and 4 Combined License Application  
**Attachments:** BEL-RAI-LTR-138.doc

**Hearing Identifier:** Bellefonte\_COL\_RAI\_Public  
**Email Number:** 123

**Mail Envelope Properties** (B4ECC0E252653F48B3F57C3B833465E8089DBC5360)

**Subject:** Request for Additional Information Letter No. 138 Related To SRP Section 08.03.01 for the Bellefonte Units 3 and 4 Combined License Application  
**Sent Date:** 11/18/2008 2:18:40 PM  
**Received Date:** 11/18/2008 2:18:49 PM  
**From:** Tanya Simms

**Created By:** Tanya.Simms@nrc.gov

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

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

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MESSAGE	3	11/18/2008 2:18:49 PM
BEL-RAI-LTR-138.doc	52218	

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

November 18, 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. 138 RELATED TO  
SRP SECTION 08.03.01 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 301-415-1387 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

**/RA/**

Tanya Simms, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-014  
52-015

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1387 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

**/RA/**

Tanya Simms, Project Manager  
 AP1000 Projects Branch 1  
 Division of New Reactor Licensing  
 Office of New Reactors

Docket Nos. 52-014  
 52-015  
 eRAI Tracking No. 1575

Enclosure:  
 Request for Additional Information

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NRO-002

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NAME	RJenkins*	TSimms*	JMartin*	JSebrosky*
DATE	10/29/08	11/03/08	11/07/08	11/18/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 1575 Revision 0  
Bellefonte Units 3 and 4  
Tennessee Valley Authority  
Docket No. 52-014 and 52-015  
SRP Section: 08.03.01 - AC Power Systems (Onsite)  
Application Section: 08.03**

**QUESTION for Electrical Engineering Branch (EEB)**

08.03.01-1

RAI-SRP 8.3.1-EEB-01

In Section 8.3.1.2.4 of the FSAR, the applicant describes the periodic testing of electrical penetration protective devices (COL action item 8.4.1-1) that provide penetration overcurrent protection. However, the NRC staff notes that the applicant has not addressed the periodic testing of the electrical penetration primary and backup protective devices protecting Class 1E and non-Class 1E dc circuits. Provide a description of the testing of primary and backup protective devices protecting Class 1E and non-Class 1E dc circuits, if any.