

## **BellefonteRAIsPEm Resource**

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**From:** Tanya Simms  
**Sent:** Tuesday, October 07, 2008 8:00 AM  
**To:** BellefonteRAIsPEm Resource  
**Subject:** Request for Additional Information Letter No. 128 Related To SRP Section 09.05.01 for the Bellefonte Units 3 and 4 Combined License Application  
**Attachments:** BEL-RAI-LTR-128.doc

**Hearing Identifier:** Bellefonte\_COL\_RAI\_Public  
**Email Number:** 115

**Mail Envelope Properties** (C4A4C9A16294FB4CBA5A36312D05FFAC0AC3D2B094)

**Subject:** Request for Additional Information Letter No. 128 Related To SRP Section 09.05.01 for the Bellefonte Units 3 and 4 Combined License Application  
**Sent Date:** 10/7/2008 7:59:57 AM  
**Received Date:** 10/7/2008 7:59:59 AM  
**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	10/7/2008 7:59:59 AM
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**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** Yes  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

October 7, 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. 127 RELATED TO  
SRP SECTION 09.05.01 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. 1289

Enclosure:  
Request for Additional Information

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NAME	RRadlinski*	TSimms*	JMartin*	JSebrosky*
DATE	9/23/08	9/30/08	10/06/08	10/07/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 1289 Revision 0**  
**Bellefonte Units 3 and 4**  
**Tennessee Valley Authority**  
**Docket No. 52-014 and 52-015**  
**SRP Section: 09.05.01 - Fire Protection Program**  
**Application Section: 9.5.1 Fire Protection System**

**QUESTIONS for Fire Protection Team (SFPT)**

09.05.01-16

Acceptance Criteria: RG 1.189 Rev. 1 Section 1.7.2, 1.7.4, 1.7.5. Regulatory Guide 1.189 Rev. 1 Sections 1.72, 1.74, and 1.75 call for the fire program description to include provisions for the inspection, testing, and maintenance (ITM) of fire protection systems for the life of the plant. This program description should include fire alarm and detection systems, fire suppression systems, water supply systems, and fire pumps. The AP1000 Rev. 16 design certification application proposes installing and crediting fire sprinkler systems (NFPA 13), fire pumps (NFPA 20), and fire main (water supply) piping (NFPA 24). NFPA 25 describes the ITM requirements throughout the life of systems and components installed under NFPA 13, 20, and 24, in order to ensure proper installation, start-up testing, and post-start-up ITM of these systems. Further, NFPA 72 (Fire Alarm) contains built-in testing and maintenance requirements. Neither NFPA 25 nor NFPA 72 are specifically referenced when describing the operational testing, maintenance, and inspection program. Describe why NFPA 25 and NFPA 72 are not specifically referenced, or if you plan on referencing them in future revisions of the COL application.