

## **PMBelCOL PEmails**

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**From:** Tanya Simms  
**Sent:** Tuesday, June 17, 2008 2:34 PM  
**To:** rgrumbir@gmail.com; alsterdis@tva.gov; erg-xl@cox.net; pshastings@duke-energy.com; Ray, Phillip M; kslays@duke-energy.com  
**Cc:** Joseph Sebrosky; PMBelCOL PEmails  
**Subject:** RAI Letter No. 040 Related SRP Section 9.5.1 for Bellefonte Units 3 and 4  
**Attachments:** BEL-RAI-LTR-040.pdf

To All,

Attached is RAI Letter No. 040 related SRP Section 9.5.1 for Bellefonte Units 3 and 4. The ADAMS Accession number is ML081690158.

Tanya Simms  
Project Manager  
New Reactor Licensing  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, Maryland 20852-2738  
301-415-1387  
[tanya.simms@nrc.gov](mailto:tanya.simms@nrc.gov)

**Hearing Identifier:** Bellefonte\_COL\_Public\_EX  
**Email Number:** 315

**Mail Envelope Properties** (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B1869B1)

**Subject:** RAI Letter No. 040 Related SRP Section 9.5.1 for Bellefonte Units 3 and 4  
**Sent Date:** 6/17/2008 2:34:13 PM  
**Received Date:** 6/17/2008 2:34:15 PM  
**From:** Tanya Simms

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

**Recipients:**

"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>  
Tracking Status: None  
"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>  
Tracking Status: None  
"rgrumbir@gmail.com" <rgrumbir@gmail.com>  
Tracking Status: None  
"alsterdis@tva.gov" <alsterdis@tva.gov>  
Tracking Status: None  
"erg-xl@cox.net" <erg-xl@cox.net>  
Tracking Status: None  
"pshastings@duke-energy.com" <pshastings@duke-energy.com>  
Tracking Status: None  
"Ray, Phillip M" <pmray@tva.gov>  
Tracking Status: None  
"kslays@duke-energy.com" <kslays@duke-energy.com>  
Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	403	6/17/2008 2:34:15 PM
BEL-RAI-LTR-040.pdf	126834	

**Options**

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

## **BellefonteRAIsPEm Resource**

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**From:** Tanya Simms  
**Sent:** Tuesday, June 17, 2008 9:24 AM  
**To:** BellefonteRAIsPEm Resource  
**Subject:** Request for Additional Information Letter No. 040 Related To SRP Section 09.05.01 for the Bellefonte Units 3 And 4 Combined License Application  
**Attachments:** BEL-RAI-LTR-040.doc

**Hearing Identifier:** Bellefonte\_COL\_RAI\_Public  
**Email Number:** 16

**Mail Envelope Properties** (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B10BD12)

**Subject:** Request for Additional Information Letter No. 040 Related To SRP  
Section 09.05.01 for the Bellefonte Units 3 And 4 Combined License Application  
**Sent Date:** 6/17/2008 9:24:00 AM  
**Received Date:** 6/17/2008 9:24:01 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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	6/17/2008 9:24:01 AM
BEL-RAI-LTR-040.doc	51706	

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

June 17, 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. 040 RELATED TO  
SRP SECTION 09.05.01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED  
LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated September 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 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

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. 201

Enclosure:  
Request for Additional Information

Distribution:

Public	RRadlinski	BHughes
RidsNroDnrlNwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	BAnderson	TDinh
RidsAcrsAcnwMailCenter	JSebrosky	PMoulding
RidsRgn2MailCenter	RidsNroDnrlNwe2	PBuckberg

NRO-002

OFFICE	SFPT/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	RRadlinski *	TSimms*	PMoulding*	JSebrosky*
DATE	4/28/08	5/30/08	6/05/08	6/06/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 201 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**

**QUESTION from Fire Protection Team (SFPT)**

09.05.01-6

The AP1000 DCD design specifies an alternative concrete/steel composite material having at least a 2-hour fire rating for the Auxiliary Building stairwells serving as escape routes, access routes for firefighting, or access routes to areas containing equipment necessary for safe shutdown. Will the applicant use the concrete/steel composite building material for stairwells in the Yard Area and other outlying buildings? If so, please revise Section 9A.3.3 and address fire testing standards ASTM-E-119 and NFPA 251 in Section 9.5.5 as appropriate.

09.05.01-7

The Bellefonte COLA referenced DCD Section 9.5.2.2.1 (Wireless Telephone System) and FSAR Section 9.5.2.2.3.2.2 (VHF Radio System) for meeting BTP CMEB 9.5.1, Section C.5.g(4). However, neither of the above sections referenced their use by the fire brigade and other operations personnel required to achieve post-fire safe shutdown. Clarify which portable communication system is credited for the fire brigade and the post-fire safe shutdown operators.