

## **PMBelCOL PEmails**

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**From:** Brian Hughes  
**Sent:** Thursday, August 07, 2008 1:49 PM  
**To:** Bob Hirman ; Eddie R Grant ; Joseph Sebrosky; Kim Slays ; Phillip Ray  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 108 RELATED TO SRP SECTION 03.07.04 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Attachments:** BEL-RAI-LTR-108.pdf

*To All:*

*Attached find Questions for 03.07.04*

Brian Hughes  
Project Manager  
NRO/DNRL/NWE1  
US NRC  
301-415-6582

**Hearing Identifier:** Bellefonte\_COL\_Public\_EX  
**Email Number:** 897

**Mail Envelope Properties** (D841D501B2C4D244B75AB897F70C14946F1996991F)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 108 RELATED TO SRP SECTION 03.07.04 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Sent Date:** 8/7/2008 1:49:19 PM  
**Received Date:** 8/7/2008 1:49:22 PM  
**From:** Brian Hughes

**Created By:** Brian.Hughes@nrc.gov

**Recipients:**

"Bob Hirman " <bobhirman@live.com>  
Tracking Status: None  
"Eddie R Grant " <erg-xl@cox.net>  
Tracking Status: None  
"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>  
Tracking Status: None  
"Kim Slays " <kslays@duke-energy.com>  
Tracking Status: None  
"Phillip Ray " <pmray@tva.gov>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	147	8/7/2008 1:49:22 PM
BEL-RAI-LTR-108.pdf	160095	

**Options**

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

## **BellefonteRAIsPEm Resource**

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**From:** Brian Hughes  
**Sent:** Thursday, August 07, 2008 1:22 PM  
**To:** BellefonteRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 108 RELATED TO SRP SECTION 03.07.04 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Attachments:** BEL-RAI-LTR-108.doc

Brian Hughes  
Project Manager  
NRO/DNRL/NWE1  
US NRC  
301-415-6582

**Hearing Identifier:** Bellefonte\_COL\_RAI\_Public  
**Email Number:** 89

**Mail Envelope Properties** (D841D501B2C4D244B75AB897F70C14946F19969879)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 108 RELATED TO SRP SECTION 03.07.04 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION  
**Sent Date:** 8/7/2008 1:22:19 PM  
**Received Date:** 8/7/2008 1:22:20 PM  
**From:** Brian Hughes

**Created By:** Brian.Hughes@nrc.gov

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

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	96	8/7/2008 1:22:20 PM
BEL-RAI-LTR-108.doc	51194	

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

August 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. 108 RELATED TO  
SRP SECTION 03.07.04 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 Joesph 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

Enclosure:  
Request for Additional Information

If you have any questions or comments concerning this matter, you may contact me at 301-415-6582 or you may contact Joesph 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. 523

Enclosure:  
Request for Additional Information

Distribution:

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RidsRgn2MailCenter	JSebrosky	

NRO-002

OFFICE	EMB1	NWE1/PM	OGC	NWE1/L-PM
NAME	CMunson*	BHughes*	PMoulding*	JSebrosky*
DATE	7/1/08	8/7/08	7/18/08	6/3008

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information**

**8/7/2008**

**Bellefonte Units 3 and 4**

**TVA**

**Docket No. 52-014 and 52-015**

**SRP Section: 03.07.04 - ASME Code Class 1, 2, and 3 Components**

**Application Section: 3.9.3**

**QUESTIONS from Geosciences and Geotechnical Engineering Mechanics Branch (RGS2)**

Application Section: 3.7.4

**QUESTIONS**

03.07.04-1

FSAR Section 3.7.4.4 states that "if the operating basis earthquake ground motion is exceeded or significant plant damage occurs, the plant must be shutdown in an orderly manner." However, Section 3.7.4.4 does not identify whether the cumulative absolute velocity (CAV) will be used as one of the criteria for determining whether the plant should be shutdown. Please clarify whether the CAV is part of the criteria for plant shutdown following an earthquake.