

## **PMBeCOL PEmails**

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**From:** Joseph Sebrosky  
**Sent:** Friday, May 29, 2009 1:29 PM  
**To:** 'rgrumbir@gmail.com'; 'alsterdis@tva.gov'; 'erg-xl@cox.net'; 'pshastings@duke-energy.com'; 'kslays@duke-energy.com'; 'Bob Hirmanpour'; 'Spink, Thomas E'; 'Ryan, William T III'  
**Cc:** PMBeCOL PEmails; Ann Hodgdon; Jody Martin; Ravindra Joshi  
**Subject:** draft rais associated construction impacts review  
**Attachments:** section 1\_10 open items.doc

To All,

Attached are draft Bellefonte RAIs related to the staff's review of construction impacts. Please let me know if you wish to discuss the RAI before it is made final.

Sincerely,

Joe Sebrosky  
Senior Project Manager  
NRO/DNRL/NWE1  
301-415-1132

**Hearing Identifier:** Bellefonte\_COL\_Public\_EX  
**Email Number:** 1533

**Mail Envelope Properties** (B4ECC0E252653F48B3F57C3B833465E8101754F157)

**Subject:** draft rais associated construction impacts review  
**Sent Date:** 5/29/2009 1:28:33 PM  
**Received Date:** 5/29/2009 1:28:34 PM  
**From:** Joseph Sebrosky

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

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	297	5/29/2009 1:28:34 PM
section_1_10 open items.doc	33274	

**Options**

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**Recipients Received:**

Bellefonte Units 3 and 4  
Tennessee Valley Authority  
Docket No. 52-014 and 52-015  
SRP Section: 01 - Introduction and Interfaces  
Application Section: 1.10

QUESTIONS for AP1000 Projects Branch 1 (NWE1)

ERAI 2997 - 01-\*\*\*

In th section 1.10 of the application, the applicant provides an assessment of the potential hazards due to construction of one unit on SSCs important to safety for an operating unit, in accordance with 10 CFR 52.79(a)(31). STD SUP 1.10-1

The NRC staff reviewed the information in BLN COL FSAR Table 1.10-201, identifying the potential hazards from construction activities, BLN COL FSAR Table 1.10-202 that cross-references the construction hazard with the impacted SSCs, and BLN COL FSAR Table 1.10-203, identifying the specific managerial and administrative controls to preclude or mitigate the construction hazard. There is the potential that review of other areas of the application could impact the hazards and management programs identified in the Bellefonte application. For example, site runoff from construction of Unit 4, if not properly controlled, could impact the operation of Unit 3. Site runoff is evaluated in Section 2.4 of this report. The staff has not yet completed its review of this application against the requirements of 10 CFR 52.79(a)(31). This is part of an open item in the staff's pending safety evaluation.

- BLNSUP 1.10-1

The supplemental information states that the power blocks for BLN 3 and 4 have a minimum separation of at least 800 feet between plant centerlines and notes that new units SSCs important to safety are described in BLN COL FSAR Chapter 3 and the LCOs for BLN 3 and 4 are identified in Part 4 of the COL application. In the standard portion of FSAR Section 1.10, there is a discussion that the primary consideration in setting the 800 foot separation distance is the space needed to support plant construction via the use of a heavy-lift crane.

The site-specific supplemental information is provided to supplement the standard information above and provides with specificity the location of the SSCs and LCOs required by 10 CFR 52.79(a)(31). The staff has not yet completed its review of this application against the requirements of 10 CFR 52.79(a)(31). This is an open item in the staff's pending safety evaluation.

ERAI 2997 01-\*\*\*

TVA states that controls within Section 1.10 of the FSAR are not required unless there is an operating unit on the site. To clarify this FSAR commitment, the staff requests TVA to revise the application to positively state these programs will be in place when there is an operating unit on the site. This is an open item in the staff's pending safety evaluation.