

## **PMBelCOL PEmails**

---

**From:** Tanya Simms  
**Sent:** Monday, June 16, 2008 11:09 AM  
**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:** Draft RAI 322 Related SRP Section 01 for Bellefonte Units 3 and 4  
**Attachments:** RAI 322 draft.pdf

To All,

Attached is Draft RAI 322 related to SRP Section 01 for Bellefonte Units 3 and 4. Please contact me if you desire a phone conference regarding this RAI. If no response is heard by close of business June 19, 2008, the final RAI will be issued.

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:** 300

**Mail Envelope Properties** (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B10B18C)

**Subject:** Draft RAI 322 Related SRP Section 01 for Bellefonte Units 3 and 4  
**Sent Date:** 6/16/2008 11:09:05 AM  
**Received Date:** 6/16/2008 11:09:08 AM  
**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	521	6/16/2008 11:09:08 AM
RAI 322 draft.pdf	14447	

**Options**

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

Request for Additional Information No. 322 Revision 0  
Bellefonte Units 3 and 4  
TVA  
Docket No. 52-014 and 52-015  
SRP Section: 01 - Introduction and Interfaces  
Application Section: Bellefonte Section 9.2.11, "Raw Water System."

QUESTIONS from Balance of Plant Branch 1 (SBPA)

01-3

In Bellefonte FSAR Section 9.2.11.3, "System Operation," the applicant stated that the ancillary raw water system (RWS) pumps are available for operation during a loss of offsite power (LOOP) to support the service water system (SWS), and if necessary the filters can be bypassed to provide unfiltered river water to the SWS. Also, the SWS provides an indirect non-safety-related means of cooling to the normal decay heat removal system during shutdown operations and has established investment protection short-term availability controls to ensure its operability (see Section 16.3, "Investment Protection Short-Term Availability Controls," page 16.3-22 of AP1000 DCD, Revision 16). In order to properly evaluate the Bellefonte RWS and its components, the staff requests the applicant to provide additional information describing the purpose of providing the diesel driven ancillary RWS pumps and clarify whether these ancillary RWS pumps perform a function to maintain SWS operable for long term decay heat removal in the event of a LOOP. Also, the staff requests the applicant to identify whether the ancillary RWS pumps are credited for long term decay heat removal, since these ancillary pumps remain functional and available during a LOOP to support the SWS.