

## **PMBeCOL PEmails**

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**From:** Joseph Sebrosky  
**Sent:** Monday, April 06, 2009 9:15 AM  
**To:** 'erg-xl@cox.net'  
**Cc:** Thomas Bergman; Mark Tonacci; Tanya Simms; David Jaffe; PMBeCOL PEmails; Laura Dudes; Eileen McKenna; Stephanie Coffin; Ronaldo Jenkins; Om Chopra; Spink, Thomas E; 'richard.grumbir@excelservices.com'; 'alsterdis@tva.gov'; 'Bob Hirmanpour'  
**Subject:** summary of NRC internal electrical meeting to be used as agenda topics for phone call with industry  
**Attachments:** 4-2-09 electrical rai meeting summary.doc

Eddie,

Per our discussion, attached is a summary of an NRC internal meeting to discuss the path forward for electrical issues for both the AP1000 DCD and the Bellefonte RCOL. The intention is to use the summary as an agenda for the 1:00 pm (eastern) phone call tomorrow. If there are any residual issues from the phone call tomorrow they will be discussed at the design center working group (DCWG) meeting on Thursday.

Mark Tonacci is back in the office and will be coordinating the call for the NRC and will be in touch with you shortly regarding the logistics for the call tomorrow.

If you have any questions please let me know.

Sincerely,

Joe Sebrosky

**Hearing Identifier:** Bellefonte\_COL\_Public\_EX  
**Email Number:** 1451

**Mail Envelope Properties** (B4ECC0E252653F48B3F57C3B833465E80E5B824776)

**Subject:** summary of NRC internal electrical meeting to be used as agenda topics for phone call with industry  
**Sent Date:** 4/6/2009 9:14:52 AM  
**Received Date:** 4/6/2009 9:14:54 AM  
**From:** Joseph Sebrosky

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

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**Options**

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**Return Notification:** No

**Reply Requested:**

No

**Sensitivity:**

Normal

**Expiration Date:**

**Recipients Received:**

April 3, 2009

Note To: 52-6, 52-14 and 52-15 Docket File

From: Joe Sebrosky

Subject: Summary of April 2, 2009, Internal NRC Meeting to Discuss the Status of the AP1000 and Bellefonte Electrical Requests for Additional Information.

The purpose of this note is to document an April 2, 2009, internal NRC meeting to discuss the status of the electrical requests for additional information (RAIs) associated with the AP1000 design certification amendment (DCA) review and the Bellefonte 3 and 4 combined license application (COLA). This note will be placed on the public docket for AP1000 and Bellefonte 3 and 4 COLA review to be used in future discussions with Westinghouse and the Tennessee Valley Authority (TVA) for addressing the underlying issues. This summary reflects preliminary decisions regarding the status of the RAIs, and is not the final determination regarding the adequacy of the response. The final determination regarding the status of the RAIs will be provided in the respective safety evaluation reports for the Westinghouse DCA and Bellefonte 3 and 4 COLA. The participants in the internal meeting were: Thomas Bergman, Laura Dudes, Ronaldo Jenkins, Om Chopra, Eileen McKeena, Stephanie Coffin, and Joe Sebrosky.

The meeting was a followon to a March 17, 2009, phone call with Westinghouse and TVA to discuss the status of the Bellefonte 3 and 4 electrical RAIs. A summary of this phone call is found at ADAMS accession number ML090820066. The March 17, 2009, phone call summary and Enclosure 1 of this note were used in the meeting to discuss the status of the RAIs. Below are highlights from the discussion of the individual RAIs.

#### RAI 8.1-2

The staff agreed that the question related to station blackout procedures was within the scope of the COLA review and did not have finality in accordance with 10 CFR 52.63, therefore the issue would go forward with the expectation that TVA provide a response. As discussed in the March 17, 2009, summary, the staff had an action item to provide TVA with what the staff considered an acceptable approach to resolve the issue. Subsequent to the meeting the staff indicated that the North Anna final safety analysis report information related to Supplemental information 8.3-2 provides North Anna's position with respect to station blackout training and procedures. For tracking purposes, the erai status of 8.1-2 will be changed to issue open – action applicant based on the results of the meeting and the March 17, 2009, phone call summary.

#### RAI 8.2-1

Enclosure 1 indicates that the staff will withdraw the RAI and pursue the issue with Westinghouse. There was agreement that this issue was not within the scope of the Westinghouse design certification amendment. Therefore, because the issue is afforded finality in accordance with the AP1000 design certification rule, the staff will evaluate and use the 10 CFR 52.63 process as appropriate to address the underlying issue that is stated in the Enclosure. There was agreement that since the RAI was already issued and answered the staff would not formally withdraw the question. For tracking purposes, the erai status of 8.2-1 for Bellefonte will show the issue as resolved (because it is being pursued outside the scope of the COLA).

### RAI 8.2-3

The issue identified in Enclosure 1 has the same status as RAI 8.2-1 (see 8.2-1 for discussion of what is meant by pursuing the issue with Westinghouse and withdrawing the RAI). For tracking purposes, the erai status of 8.2-3 for Bellefonte will show the issue as resolved (because it is being pursued outside the scope of the COLA).

### RAI 8.2-10

The status in the enclosure indicates that the staff will withdraw the RAI. There was agreement that this status is not completely accurate. The staff took an action to review 8.2.10 items (c) and (d) as identified in the March 17, 2009, phone call summary to determine if this resolves the underlying issue. Regarding item 8.2.10(b) from the March 17, 2009, phone call summary there was agreement that TVA providing a response in this area addressing periodic testing was appropriate because the testing identified in 14.2.9.2.15 was a one-time test. Regarding item (a) from the March 17, 2009, the staff indicated additional information in this area was probably not needed.

### RAI 14.3-1

Although Enclosure 1 indicates that the issue will be pursued with Westinghouse there was agreement in the meeting that because offsite power is outside the scope of the certified design it is an appropriate question to ask of the COLA, and that some ITAAC similar to the North Anna application were most likely appropriate for the Bellefonte COLA.

### RAI 8.2-2

It was agreed that any remaining staff issues with the acceptability of the response to RAI 8.2-2 were addressed in RAI 8.2-10 which is discussed above.

### RAI 8.3.1-1

It was agreed that the status of this item is confirmatory action applicant

### RAI 8.2-7

Although the status in enclosure 1 indicates that the staff will accept the applicant's response and close the issue, it was agreed that the status of the item should be open, pending submittal of a revised response that commits to placing portions of the RAI response in the FSAR in accordance with the March 17, 2009, phone call summary.

### RAI 8.3.1-2

Staff is awaiting TVA's response in accordance with the March 17, 2009, phone call summary.

### RAI 8.2-9

It was agreed that TVA's response was acceptable in this area and that the erai status would be updated to reflect this.

**BELLEFONTE - OUTSTANDING RAIS – Revision**

DESCRIPTION	RAI No.	RAI ID	Question No.	Issue	Status
Bellefonte Units 3 and 4-08.01- Electric Power –Introduction	08.01-2	175	447	Station Blackout; 50.63	The applicant agreed to meet the Rule ( i.e., procedures and training)
Bellefonte Units 3 and 4-08-02- Offsite power System	8.2-1	177	436	Impact of voltage drop on aux power equipment including battery chargers and UPS.	Staff will withdraw the RAI. Staff will pursue the issue with Westinghouse.
Bellefonte Units 3 and 4-08-02- Offsite power System	8.2-3	177	440	Submittal of an analysis of the onsite distributions system to demonstrated adequate voltages.	The staff will withdraw the RAI. Staff will pursue the issue with Westinghouse.
Bellefonte Units 3 and 4-08-02- Offsite power System	08.02-10	2108	8486	GDC 5, 17, 18 and 50.65 Sharing of switchyards between units; auto/manual transfer feature testing; maintenance rule.	Staff will withdraw the RAI.
Bellefonte Units 3 and 4-14.03- Inspections, Tests, Analyses, and Acceptance Criteria	14.03-1	171	430	ITAAC for switchyard interface requirements.	The staff will close the issue with Bellefonte applicant and pursue the issue with Westinghouse.
Bellefonte Units 3 and 4 - 08.02 - Offsite Power System	08.02-2	177	439	Switchyard conformance to GDC 2, 4, 5, 17, 18	See RAI 2108 for resolution.
Bellefonte Units 3 and 4 - 08.02 - Offsite Power System	08.03.01-1	1575	5774	Periodic testing of electrical penetration protective devices	Confirmatory based on 1/2/09 TVA response (ML090080183).
Bellefonte Units 3 and 4 - 08.02 - Offsite Power System	08.02-7	177	444	Grid stability analysis	Staff will accept applicant's response and close the issue.
Bellefonte Units 3 and 4 - 08.03.01 - AC Power Systems (Onsite)	08.03.01-2	1934	7635	EDG preop testing and PM program	COL action item; Applicant to provide initial response.
Bellefonte Units 3 and 4 - 08.02 - Offsite Power System	08.02-9	1579	5777	Offsite power vulnerability during adverse weather	Staff will accept applicant's response and close the issue.

Enclosure 1