## BellefonteRAIsPEm Resource

**From:** Joseph Sebrosky
**Sent:** Tuesday, August 05, 2008 1:04 PM
**To:** BellefonteRAIsPEm Resource
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 099 RELATED TO SRP SECTION 2.3.1 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
**Attachments:** BLN-RAI-LTR-099.doc

**Hearing Identifier:** Bellefonte_COL_RAI_Public
**Email Number:** 81

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**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 099 RELATED TO SRP SECTION 2.3.1 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
**Sent Date:** 8/5/2008 1:04:24 PM
**Received Date:** 8/5/2008 1:04:33 PM
**From:** Joseph Sebrosky

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

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

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

August 5, 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. 099 RELATED TO SRP SECTION 2.3.1 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 301-415-1132.

Sincerely,

***/RA/***

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 856

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1132.

Sincerely,

***/RA/***

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 856

Enclosure:
Request for Additional Information

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|---|---|---|---|---|---|
| NAME | TGalletta | CCox | | AHodgdon* | JSebrosky* |
| DATE | 7/22/08 | 7/22/08 | | 7/27/08 | 8/5/08 |

*Approval captured electronically in the electronic RAI system.

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**Request for Additional Information**
**Bellefonte Units 3 and 4**
**Tennessee Valley Authority**
**Docket No. 52-014 and 52-015**
**SRP Section: 02.03.01 - Regional Climatology**
**Application Section: 2.3.1**

**QUESTIONS from the Siting and Accident Consequences Branch**

02.03.01-10
FSAR Table 2.0-201 provides a comparison of the AP1000 DCD Site Parameters and BLN Site Characteristics. Sheet 1 of 5 specifically contains a section on the BLN Air Temperature Site Characteristics. SRP Section 2.3.1 discusses the criteria that should be used in selecting air temperature site characteristics. FSAR Section 2.3.1, however, lacks a corresponding write-up and justification identifying the source and representativeness for the values presented in FSAR Table 2.0-201 as the BLN Air Temperature Site Characteristics.

Please revise FSAR Section 2.3.1 to address the SRP 2.3.1 criteria for selecting air temperature site characteristic values.

Enclosure