

PMBelCOL PEmails

From: Tanya Simms
Sent: Monday, September 15, 2008 4:51 PM
To: 'rgrumbir@gmail.com'; 'alsterdis@tva.gov'; 'erg-xl@cox.net'; 'pshastings@duke-energy.com'; 'Ray, Phillip M'; 'kslays@duke-energy.com'; 'Bob Hirmanpour'; 'tespink@tva.gov'
Cc: Joseph Sebrosky; PMBelCOL PEmails
Subject: RAI Letter No. 124 Related SRP Section 9.2.5 for Bellefonte Units 3 and 4
Attachments: BEL-RAI-LTR-124.pdf

To All,

Attached is RAI Letter No. 124 related SRP Section 9.2.5 for Bellefonte Units 3 and 4. The ADAMS accession number is ML082590447.

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

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 643

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0ABBC7F828)

Subject: RAI Letter No. 124 Related SRP Section 9.2.5 for Bellefonte Units 3 and 4
Sent Date: 9/15/2008 4:50:30 PM
Received Date: 9/15/2008 4:50:31 PM
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
"Bob Hirmanpour" <bobhirman@live.com>
Tracking Status: None
"tespink@tva.gov" <tespink@tva.gov>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	402	9/15/2008 4:50:31 PM
BEL-RAI-LTR-124.pdf	126613	

Options

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

BellefonteRAIsPEm Resource

From: Tanya Simms
Sent: Monday, September 15, 2008 1:53 PM
To: BellefonteRAIsPEm Resource
Subject: Request for Additional Information Letter No. 124 Related To SRP Section 09.02.05 for the Bellefonte Units 3 and 4 Combined License Application
Attachments: BEL-RAI-LTR-124.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 111

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0ABBC7F827)

Subject: Request for Additional Information Letter No. 124 Related To SRP Section 09.02.05 for the Bellefonte Units 3 and 4 Combined License Application
Sent Date: 9/15/2008 1:52:55 PM
Received Date: 9/15/2008 1:52:56 PM
From: Tanya Simms

Created By: Tanya.Simms@nrc.gov

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

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	3	9/15/2008 1:52:56 PM
BEL-RAI-LTR-124.doc	51706	

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

September 15, 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. 124 RELATED TO
SRP SECTION 09.02.05 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 301-415-1387 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Tanya Simms, 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

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1387 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Tanya Simms, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking No. 1144

Enclosure:
Request for Additional Information

Distribution:

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NRO-002

OFFICE	SFPT/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	JSegala*	TSimms*	PMoulding*	JSebrosky*
DATE	8/29/08	9/05/08	9/05/08	9/15/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Request for Additional Information No. 1144 Revision 0
Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 09.02.05 - Ultimate Heat Sink
Application Section: 9.2.1**

QUESTIONS from Balance of Plant Branch 1 (SBPA)

09.02.05-1

Address whether the cooling capability of the SWS mechanical draft cooling towers for the Bellefonte units can be adversely affected by interactions that exist between the two mechanical draft cooling towers. Adverse interactions can occur due to localized atmospheric influences caused by siting considerations, the locations of major structures, the locations of the mechanical draft cooling towers, mechanical draft cooling tower fan speed, and wind effects. Because the AP1000 utilizes only one mechanical draft cooling tower in its design, interaction effects between the mechanical draft cooling towers of multi-unit sites were not evaluated by the staff as part of the review of the AP1000 design. Therefore, provide additional information to address potential adverse interactions between the mechanical draft cooling towers for the two Bellefonte units, and revise the FSAR as appropriate to reflect this additional information.