PMBelCOL PEmails

From: Tanya Simms
Sent: Friday, June 20, 2008 11:14 AM
To: rgrumbir@gmail.com; alsterdis@tva.gov; erg-xl@cox.net; pshastings@duke-energy.com; Ray, Phillip M; kslays@duke-energy.com; Bob Hirmanpour
Cc: Joseph Sebrosky; PMBelCOL PEmails
Subject: RAI Letter No. 044 Related SRP Section 9.2.1 for Bellefonte Units 3 and 4
Attachments: BEL-RAI-LTR-044.pdf

To All,

Attached is RAI Letter No. 044 related SRP Section 9.2.1 for Bellefonte Units 3 and 4. The ADAMS Accession number is ML081720103.

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: 327

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B2204E4)

Subject: RAI Letter No. 044 Related SRP Section 9.2.1 for Bellefonte Units 3 and 4
Sent Date: 6/20/2008 11:14:09 AM
Received Date: 6/20/2008 11:14:11 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
"Bob Hirmanpour" <bobhirman@live.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	403	6/20/2008 11:14:11 AM
BEL-RAI-LTR-044.pdf	128210	

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

BellefonteRAIsPEm Resource

From: Tanya Simms
Sent: Friday, June 20, 2008 8:58 AM
To: BellefonteRAIsPEm Resource
Subject: Request for Additional Information Letter No. 044 Related to SRP Section 09.02.01 for the Bellefonte Units 3 And 4 Combined License Application
Attachments: BEL-RAI-LTR-044.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 20

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B220251)

Subject: Request for Additional Information Letter No. 044 Related to SRP Section 09.02.01 for the Bellefonte Units 3 And 4 Combined License Application
Sent Date: 6/20/2008 8:58:18 AM
Received Date: 6/20/2008 8:58:20 AM
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	6/20/2008 8:58:20 AM
BEL-RAI-LTR-044.doc	51706	

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

June 20, 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. 044 RELATED TO SRP SECTION 09.02.01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated September 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. 322

Enclosure:
Request for Additional Information

Distribution:

Public	RJoshi	BHughes	DReddy
RidsNroDnrlNwe1	SCoffin	MComar	
RidsNroLAKGoldstein	TSimms	AHodgdon	
RidsOgcMailCenter	BAnderson	JSegala	
RidsAcrsAcnwMailCenter	JSebrosky	PMoulding	
RidsRgn2MailCenter	RidsNroDnrlNwe2	PBuckberg	

NRO-002

OFFICE	SFPT/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	JSegala *	TSimms*	AHodgdon*	JSebrosky*
DATE	5/22/08	6/11/08	6/13/08	6/16/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

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

QUESTION 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.