

PMBelCOL PEmails

From: Sebrosky, Joseph
Sent: Monday, December 14, 2009 12:51 PM
To: 'rgrumbir@gmail.com'; 'alsterdis@tva.gov'; 'erg-xl@cox.net'; 'pshastings@duke-energy.com'; 'kslays@duke-energy.com'; 'Bob Hirmanpour'; 'Spink, Thomas E'; Wes Sparkman
Cc: PMBelCOL PEmails; Hughes, Brian; RidsNroDnriNwe1 Resource; Comar, Manny; RidsNroLAKGoldstein Resource; Simms, Tanya; Hodgdon, Ann; RidsOgcMailCenter Resource; Joshi, Ravindra; RidsAcrcAcnw_MailCTR Resource; RidsRgn2MailCenter Resource; Martin, Jody; Goetz, Sujata; Anderson, Brian; VogtleCOL Resource; Spicher, Terri; McGovern, Denise
Subject: RAI Letter No. 168 Related to SRP section 6.4 for Bellefonte Units 3 and 4
Attachments: bln-rai-ltr-168.pdf

To All,

Attached is RAI Letter No. 168 related to SRP section 6.4 for Bellefonte Units 3 and 4. The ADAMS accession number for the document is ML093480250.

Sincerely,

Joe Sebrosky
Senior Project Manager
NRO/DNRL/NWE1
301-415-1132

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1739

Mail Envelope Properties (36CF286628C20846A68047F2463233090CB800818F)

Subject: RAI Letter No. 168 Related to SRP section 6.4 for Bellefonte Units 3 and 4
Sent Date: 12/14/2009 12:51:21 PM
Received Date: 12/14/2009 12:51:28 PM
From: Sebrosky, Joseph

Created By: Joseph.Sebrosky@nrc.gov

Recipients:

"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None
"Hughes, Brian" <Brian.Hughes@nrc.gov>
Tracking Status: None
"RidsNroDnrINwe1 Resource" <RidsNroDnrINwe1.Resource@nrc.gov>
Tracking Status: None
"Comar, Manny" <Manny.Comar@nrc.gov>
Tracking Status: None
"RidsNroLAKGoldstein Resource" <RidsNroLAKGoldstein.Resource@nrc.gov>
Tracking Status: None
"Simms, Tanya" <Tanya.Simms@nrc.gov>
Tracking Status: None
"Hodgdon, Ann" <Ann.Hodgdon@nrc.gov>
Tracking Status: None
"RidsOgcMailCenter Resource" <RidsOgcMailCenter.Resource@nrc.gov>
Tracking Status: None
"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>
Tracking Status: None
"RidsAcrcAcnw_MailCTR Resource" <RidsAcrcAcnw_MailCTR.Resource@nrc.gov>
Tracking Status: None
"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>
Tracking Status: None
"Martin, Jody" <Jody.Martin@nrc.gov>
Tracking Status: None
"Goetz, Sujata" <Sujata.Goetz@nrc.gov>
Tracking Status: None
"Anderson, Brian" <Brian.Anderson@nrc.gov>
Tracking Status: None
"VogtleCOL Resource" <VogtleCOL.Resource@nrc.gov>
Tracking Status: None
"Spicher, Terri" <Terri.Spicher@nrc.gov>
Tracking Status: None
"McGovern, Denise" <Denise.McGovern@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
"kslays@duke-energy.com" <kslays@duke-energy.com>
Tracking Status: None
"Bob Hirmanpour" <bobhirman@live.com>
Tracking Status: None
"Spink, Thomas E" <tespink@tva.gov>
Tracking Status: None
"Wes Sparkman" <wasparkm@southernco.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	276	12/14/2009 12:51:28 PM
bln-rai-ltr-168.pdf	164938	

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

BellefonteRAIsPEm Resource

From: Sebrosky, Joseph
Sent: Monday, December 14, 2009 12:15 PM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 168 RELATED TO SRP SECTION 6.4 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-168.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 158

Mail Envelope Properties (36CF286628C20846A68047F2463233090CB800815A)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 168 RELATED TO SRP SECTION 6.4 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 12/14/2009 12:14:50 PM
Received Date: 12/14/2009 12:15:27 PM
From: Sebrosky, Joseph

Created By: Joseph.Sebrosky@nrc.gov

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

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	3	12/14/2009 12:15:27 PM
BLN-RAI-LTR-168.doc	52846	

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

December 14, 2009

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. 168 RELATED TO
SRP SECTION 6.4 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 45 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. 3950
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. 3950

Enclosure:
Request for Additional Information

Distribution:

Public	BHughes	SCoffin
RidsNroDnrINwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	RJoshi	CJackson
RidsAcrcAcnwMailCenter	JMartin	MSnodderly
RidsRgn2MailCenter	JSebrosky	

NRO-002

OFFICE	SPCV	SPCV/BC*		OGC*	NWE1/L-PM*
NAME	CJackson	MSnodderly		JMartin	JSebrosky
DATE	12/2/09	12/2/09		12/2/09	12/14/09

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 06.04 - Control Room Habitability System
Application Section: 6.4**

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

06.04-7

AP1000 COL Information Items

- STD COL 6.4-2: Control Room Habitability Training

Included under Section 6.4.3 of the BLN COL FSAR, the applicant stated that procedures and training for control room habitability are written in accordance with Section 13.5 for control room operating procedures, and Section 13.2 for operator training. The procedures and training are verified to be consistent to the intent of Generic Issue 83. There are specific provisions in the site-specific portion of the FSAR.

However, the level of detail provided in standard portion of the FSAR Section 6.4.3 is not adequate to determine if the regulatory requirements are met. The applicable regulatory requirements are 10 CFR Part 50 Appendix A, GDC-19, "Control Room." The control room habitability training program must ensure that procedures and training are in place to meet the underlying assumptions made in the accident analysis associated with GDC-19. One acceptable approach to meeting GDC-19 is by complying with the applicable guidance for the control room habitability training program in RGs 1.78 and 1.196.

Open Item 6.4-1

Please provide in the FSAR the essential elements of the training and procedures necessary to demonstrate that the regulatory requirements are met. What will the operators be directed and trained to do to meet the recommendations in RG 1.196. Specifically, the staff requests information addressing the following:

- Regulatory Position C.5, "Emergency Planning" of Regulatory Guide 1.78
- Regulatory Position 2.5, "Hazardous Chemicals" of RG 1.196
- Regulatory Position 2.2.1, "Comparison of System Design, Configuration, and Operation with the Licensing Basis" of RG 1.196; and
- Regulatory Position 2.7.1 Periodic Evaluations and Maintenance of RG 1.196.

Enclosure