PMBelCOL PEmails

From: Joseph Sebrosky
Sent: Friday, May 29, 2009 3:11 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'
Cc: PMBelCOL PEmails; Brian Hughes; RidsNroDnrlNwe1 Resource; Manny Comar; RidsNroLAKGoldstein Resource; Tanya Simms; Ann Hodgdon; RidsOgcMailCenter Resource; Ravindra Joshi; RidsAcrsAcnw_MailCTR Resource; RidsRgn2MailCenter Resource; Jody Martin; Sujata Goetz; Brian Anderson; Richard Raione; Christopher Cook; Kenneth See
Subject: RAI Letter No. 160 Related to SRP section 2.4.3 for Bellefonte Units 3 and 4
Attachments: bln-rai-ltr-160.pdf

To All,

Attached is RAI Letter No. 160 related to SRP section 2.4.3 for Bellefonte Units 3 and 4. The ADAMS accession number for the document is ML091490613.

Sincerely,

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

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1534

Mail Envelope Properties (B4ECC0E252653F48B3F57C3B833465E8101754F160)

Subject: RAI Letter No. 160 Related to SRP section 2.4.3 for Bellefonte Units 3 and 4
Sent Date: 5/29/2009 3:11:22 PM
Received Date: 5/29/2009 3:11:23 PM
From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:
"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None
"Brian Hughes" <Brian.Hughes@nrc.gov>
Tracking Status: None
"RidsNroDnrlNwe1 Resource" <RidsNroDnrlNwe1.Resource@nrc.gov>
Tracking Status: None
"Manny Comar" <Manny.Comar@nrc.gov>
Tracking Status: None
"RidsNroLAKGoldstein Resource" <RidsNroLAKGoldstein.Resource@nrc.gov>
Tracking Status: None
"Tanya Simms" <Tanya.Simms@nrc.gov>
Tracking Status: None
"Ann Hodgdon" <Ann.Hodgdon@nrc.gov>
Tracking Status: None
"RidsOgcMailCenter Resource" <RidsOgcMailCenter.Resource@nrc.gov>
Tracking Status: None
"Ravindra Joshi" <Ravindra.Joshi@nrc.gov>
Tracking Status: None
"RidsAcrsAcnw_MailCTR Resource" <RidsAcrsAcnw_MailCTR.Resource@nrc.gov>
Tracking Status: None
"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>
Tracking Status: None
"Jody Martin" <Jody.Martin@nrc.gov>
Tracking Status: None
"Sujata Goetz" <Sujata.Goetz@nrc.gov>
Tracking Status: None
"Brian Anderson" <Brian.Anderson@nrc.gov>
Tracking Status: None
"Richard Raione" <Richard.Raione@nrc.gov>
Tracking Status: None
"Christopher Cook" <Christopher.Cook@nrc.gov>
Tracking Status: None
"Kenneth See" <Kenneth.See@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

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	278	5/29/2009 3:11:23 PM
bln-rai-ltr-160.pdf	141466	

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

BellefonteRAIsPEm Resource

From: Joseph Sebrosky
Sent: Friday, May 29, 2009 2:42 PM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 160 RELATED TO SRP SECTION 2.4.3 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-160.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 147

Mail Envelope Properties (B4ECC0E252653F48B3F57C3B833465E8101754F15C)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 160 RELATED TO SRP SECTION 2.4.3 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 5/29/2009 2:41:44 PM
Received Date: 5/29/2009 2:41:46 PM
From: Joseph Sebrosky

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	5/29/2009 2:41:46 PM
BLN-RAI-LTR-160.doc	54778	

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

May 29, 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. 160 RELATED TO SRP SECTION 2.4.3 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. 2936
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. 2936

Enclosure:
Request for Additional Information

Distribution:

Public	BHughes	SCoffin
RidsNroDnrlNwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	RJoshi	CCook
RidsAcrsAcnwMailCenter	JMartin	KSee
RidsRgn2MailCenter	JSebrosky	RRaione

NRO-002

OFFICE	RHEB	RHEB/BC*		OGC*	NWE1/L-PM*
NAME	KSee	HJones		AHodgdon	JSebrosky
DATE	05/26/09	05/26/09		05/28/2009	5/29/09

*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: 02.04.03 - Probable Maximum Flood (PMF) on Streams and Rivers
Application Section: FSAR Section 2.4.3

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.03-9

TVA presents calculations of the probable maximum flood (PMF) height at the Bellefonte COL Site in Section 2.4.3 of the FSAR. These calculations address regulatory requirements associated with General Design Criterion 2 and 10 CFR 100.20(c).

This question is a followon question to RAI 2.4.3-8, which was issued on 5/12/09. In RAI 2.4.3-8 the staff requested that TVA provide calculation packages/documents associated with TVA's computation of the probable maximum flood height (PMF). The information that was requested in this RAI was based on a TVA presentation at a public meeting on March 30, 2009. The calculation packages that the staff requested were for the watershed that TVA was modeling above the Guntersville Dam on the Tennessee River.

In a May 15, 2009, letter updating the status of TVA's hydrology review (ADAMS accession number ML091390057) TVA informed the staff that it had altered its approach to account for the tailwater effect and rating curve for the Guntersville Dam. To do this TVA is adding the Wheeler Reservoir to the Bellefonte 3 and 4 probable maximum flood model to determine the Guntersville Dam tailwater effect. The NRC requests that TVA provide the input files used to model the Wheeler Reservoir. This request includes unit hydrographs, dam -rating curves, and other input calculations that TVA is developing for this reservoir. The staff requests this information in order to develop its confirmatory model of the Tennessee River.

Enclosure