PMBelCOL PEmails

From: Joseph Sebrosky
Sent: Tuesday, December 09, 2008 7:10 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: PMBelCOL PEmails; Brian Hughes; RidsNroDnrlNwe1 Resource; Stephanie Coffin; Manny Comar; RidsNroLAKGoldstein Resource; Tanya Simms; Ann Hodgdon; RidsOgcMailCenter Resource; Ravindra Joshi; RidsAcrsAcnw_MailCTR Resource; RidsRgn2MailCenter Resource; Jody Martin; Leta Brown; Charles Cox; Brad Harvey; Thomas Galletta
Subject: RAI Letter No. 140 Related to SRP Section 2.3.5 for Bellefonte Units 3 and 4
Attachments: BLN-RAI-LTR-140.pdf

To All,

Attached is RAI Letter Nos. 140 related to SRP Section 2.3.5 for Bellefonte Units 3 and 4. The ADAMS accession number for the documents is ML083440009.

Sincerely,

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

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1280

Mail Envelope Properties (B4ECC0E252653F48B3F57C3B833465E8089F40595D)

Subject: RAI Letter No. 140 Related to SRP Section 2.3.5 for Bellefonte Units 3 and 4
Sent Date: 12/9/2008 7:09:40 AM
Received Date: 12/9/2008 7:09:45 AM
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
"Stephanie Coffin" <Stephanie.Coffin@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
"Leta Brown" <Leta.Brown@nrc.gov>
Tracking Status: None
"Charles Cox" <Charles.Cox@nrc.gov>
Tracking Status: None
"Brad Harvey" <Brad.Harvey@nrc.gov>
Tracking Status: None
"Thomas Galletta" <Thomas.Galletta@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>
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"'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	280	12/9/2008 7:09:45 AM
BLN-RAI-LTR-140.pdf	165575	

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

BellefonteRAIsPEm Resource

From: Joseph Sebrosky
Sent: Tuesday, December 09, 2008 6:51 AM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 140 RELATED TO SRP SECTION 2.3.5 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-140.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 127

Mail Envelope Properties (B4ECC0E252653F48B3F57C3B833465E8089F405946)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 140 RELATED TO SRP SECTION 2.3.5 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 12/9/2008 6:50:44 AM
Received Date: 12/9/2008 6:51:13 AM
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	12/9/2008 6:51:13 AM
BLN-RAI-LTR-140.doc	53754	

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

December 9, 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. 140 RELATED TO SRP SECTION 2.3.5 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. 1746

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. 1746

Enclosure:
Request for Additional Information

Distribution:

Public	CCox	BHughes
RidsNroDnrlNwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	RJoshi	LBrown
RidsAcrsAcnwMailCenter	JMartin	TGalletta
RidsRgn2MailCenter	BHarvey	
JSebrosky		

NRO-002

OFFICE	RSAC*	RSAC/BC*		OGC	NWE1/L-PM
NAME	LBrown	CCox		AHodgdon*	JSebrosky*
DATE	12/3/08	12/3/08		12/3/08	12/9/08

*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: 02.03.05 - Long-Term Atmospheric Dispersion Estimates for Routine Releases
Application Section: 02.03.05 - Long-Term Atmospheric Dispersion Estimates for Routine Releases

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.05-6
As a follow-on to NRC RAI Number 02.03.05-02, why is Table 2.3-324, which provides no decay, depleted X/Q values, included in the revised Bellefonte FSAR? How were these values used in the dose assessment?

02.03.05-7
Were the XOQDOQ computer code input terrain distances and heights, card types 10 and 11, derived from either Bellefonte FSAR Figure 2.3-286 or 2.3-287? Why were the first set of heights for all 16 sectors input as zeroes? Please provide a figure or figures marked to show several examples of how the distance and height inputs were derived.

02.03.05-8
With regard to the XOQDOQ computer code card type 16 inputs, where are the AP1000-specific values documented?

Enclosure