PMBelCOL PEmails

From: Joseph Sebrosky
Sent: Thursday, May 28, 2009 5:00 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'; Ryan, William T III
Cc: PMBelCOL PEmails; Ann Hodgdon; Jody Martin; Ravindra Joshi; Kenneth See; Richard Raione; Christopher Cook
Subject: draft rai associated with wheeler reservoir
Attachments: draft RAI for wheeler reservoir information.doc

Resending to send the correct attachment

To All,

Attached is a draft Bellefonte RAI related to wheeler reservoir. Please let me know if you wish to discuss the RAI before it is made final.

Sincerely,

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

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1520

Mail Envelope Properties (B4ECC0E252653F48B3F57C3B833465E810174E33F4)

Subject: draft rai associated with wheeler reservoir
Sent Date: 5/28/2009 4:59:59 PM
Received Date: 5/28/2009 5:00:00 PM
From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:
"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None
"Ann Hodgdon" <Ann.Hodgdon@nrc.gov>
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"Jody Martin" <Jody.Martin@nrc.gov>
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"'pshastings@duke-energy.com'" <pshastings@duke-energy.com>
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"'kslays@duke-energy.com'" <kslays@duke-energy.com>
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"'Bob Hirmanpour'" <bobhirman@live.com>
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"'Spink, Thomas E'" <tespink@tva.gov>
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"Ryan, William T III" <wtryan@tva.gov>
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Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	326	5/28/2009 5:00:00 PM
draft RAI for wheeler reservoir information.doc	28154	

Options
Priority: Standard
Return Notification: No
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Expiration Date:
Recipients Received:

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)

Erai 2936 02.04.03-***

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.