

PMBeCOL PEmails

From: Joseph Sebrosky
Sent: Friday, August 29, 2008 7:45 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: PMBeCOL PEmails; Yong Li
Subject: draft 2.5.1 RAIs
Attachments: draft 2_5_1 rais.doc

To All,

Attached are 2.5.1 RAIs for Bellefonte Units 3 and 4. Please contact me if you desire a phone conference regarding this RAI. If no response is heard by close of business September 4, 2008, the final RAI will be issued.

Sincerely,

Joe Sebrosky

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 610

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0ABBC6C889)

Subject: draft 2.5.1 RAIs
Sent Date: 8/29/2008 7:44:49 AM
Received Date: 8/29/2008 7:44:59 AM
From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:

"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None
"Yong Li" <Yong.Li@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	278	8/29/2008 7:44:59 AM
draft 2_5_1 rais.doc	29178	

Options

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

Draft 2.5.1 RAI - Sent to TVAO on 8/29/08

**Request for Additional Information
Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 02.05.01 - Basic Geologic and Seismic Information
Application Section: 2.5.1**

QUESTIONS Geosciences and Geotechnical Engineering Branch 2

ERAI 1072, 02.05.01-***

FSAR 2.5.1.1.3.2 describes sub-vertical, upward-widening features in a soil exposure and states that they “resemble non-tectonic soil weathering features (cutans)” Please present observations, measurements, or analyses, and figures, photographs, or other illustrations that demonstrate whether or not these features could be seismically induced.

ERAI 1072, 02.05.01-***

FSAR 2.5.1.2.5 describes minor displacement (about 3 inches) that was observed along a “joint” located in the northwest corner of the Unit 1 QA Records Storage Vault. The joint was subsequently investigated. What is the age of the displacement?

ERAI 1072, 02.05.01-***

Given the uncertainty in locating earthquakes in most network data, especially at distances corresponding to the Eastern Tennessee Seismic Network stations, distance to the nearest station, station density, crustal velocity structure and etc., please discuss the likelihood that some of the earthquakes are located on one or more of the mapped faults shown in FSAR Figures 2.5-294 and 2.5-220.

ERAI 1072, 02.05.01-***

Please provide evidence that all of the thrust faults shown in FSAR Figure 2.5-294 near the Bellefonte COL site sole out into the Appalachian detachment. Figure 2.5-220 shows subbasement faults with the same general northeast-strike and similar locations as those of Fig. 2.5-294. Given fault location uncertainty, explain whether or not some of the faults shown on these two figures could be the same fault penetrating through the detachment.