

PMVictoriaESPPEm Resource

From: Govan, Tekia
Sent: Tuesday, November 22, 2011 2:57 PM
To: david.distel@exeloncorp.com
Cc: Eudy, Michael; VictoriaESP Resource
Subject: Draft RAI Section 2.5.1
Attachments: RAI 6170.doc

David:

Please find attached a draft RAI related to the NRC staff's review of the VCS ESP application section 2.5.1. Please review and let Michael know if you need a clarification call. If a call is need please inform Mike no later than November 30th.

Thanks
Tekia

Tekia V. Govan, Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors
MS T-6-D48
Washington DC 20555-0001
301-415-6197
Tekia.Govan@nrc.gov

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Recipients:

"Eudy, Michael" <Michael.Eudy@nrc.gov>
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"VictoriaESP Resource" <VictoriaESP.Resource@nrc.gov>
Tracking Status: None
"david.distel@exeloncorp.com" <david.distel@exeloncorp.com>
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Request for Additional Information No. 6170 Revision 0

Victoria County Station ESP
Exelon Texas
Docket No. 52-042
SRP Section: 02.05.01 - Basic Geologic and Seismic Information
Application Section: 2.5.1

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.01-***

The USGS reported the Texas Oct 20 earthquake as a shallow (3 km, poorly constrained), Mw 4.8 earthquake with moment tensor solution of normal fault movement oriented northeast. The staff note that both this earthquake and the Nov 12, Mw 3.3 event are located ~65 miles west of VCS, possibly near the surface expression of the Luling and Balcones fault zones. In order for staff to evaluate regional tectonic features within the 200 mile radius of VCS in its review of the VCS application and in support of 10 CFR 100.23 please provide the following:

Provide a discussion that examines the Texas earthquakes (Oct 20 and Nov 12) and implications for a VCS regional tectonic feature that might be considered a capable fault that originates within the Ouachita basement rock, beneath the Gulf Coast Coastal Plain sedimentary section. Include in your discussion the alternative possibilities that the Texas earthquake is induced or that it is a small seismic event on an active growth fault. Additionally, consider and discuss the possibility of an error in the location of the earthquake and the implications that a location error could have on all the above and related event fault and source interpretations.