

PMTurkeyCOLPEM Resource

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Sent: Wednesday, June 10, 2015 4:08 PM
To: orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher; Candelario, Luisette; Heeszel, David; Karas, Rebecca; Patel, Pravin; Plaza-Toledo, Meralis; Seber, Dogan; Stieve, Alice; Thomas, Vaughn; Walsh, Lisa; Xi, Zuhan; Xu, Jim
Cc: Comar, Manny
Subject: Draft RAI 7950 related to SRP Section 02.05.01 Basic Geologic and Seismic Information for the Turkey Point Units 6 and 7 combined license application.
Attachments: draft RAI 7950_TPN.docx

To All,

Attached is the draft of RAI No:7950, regarding section 02.05.01 Basic Geologic and Seismic Information for the Turkey Point Units 6 and 7 combined license application.

If you need a conference call to discuss the question(s) of the draft RAIs please contact me at 301-415-3863. Unless you request additional clarification we will normally issue the RAI as final within 3 to 5 days, from today.

Thanks

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Request for Additional Information

Application Title: Turkey Point Units 6 and 7

Operating Company: Florida P and L

Docket No. 52-040 and 52-041

Review Section: 02.05.01 - Basic Geologic and Seismic Information

Application Section:

QUESTIONS

02.05.01-XX

In eRAI 7804, Question 2.5.1-36, staff asked you to provide a discussion of a fault identified by seismic reflection data and located in Biscayne Bay (Cunningham et al 2012) that was not previously included in the FSAR. In your response, you cite a new publication (Cunningham, 2015). Staff examined that report, which identifies an additional, geologically young, tectonic feature, located east of Miami, on the Miami Terrace, about 30 miles from TPNPP, which is not described in the TPNPP FSAR. Figure 14 in Cunningham 2015 clearly shows a tectonic anticline with uplifted truncated seismic reflections assigned to the top of the lower Arcadia Formation. Horizontal buried wave cut terraces on the flank of the anticline indicate uplift and erosion of the lower Arcadia Formation followed by deposition of late Pliocene or early Pleistocene-age sediments. Cunningham suggests that this compression, uplift and reverse faulting is consistent with compressional stresses in the Cuban fold and thrust belt and cites Masferro and others, 1999. The author also suggests that this compression event is consistent with the timing of tectonic movement of the Santaren anticline.

- a) In support of 10 CFR 100.23, please provide a discussion of this tectonic feature with respect to TPNPP and integrate into the regional tectonic setting for the TPNPP COLA.
- b) Discuss how this feature might affect the PSHA at TPNPP in light of sensitivity analyses completed for the Santaren Anticline (~170 miles from TP) and the sensitivity analyses completed for the Walker's Cay fault (~200 mile from TP).

02.05.01-XX

In eRAI 7804, Question 2.5.1-37, staff requested a map showing all limestone dissolution features found in the TPNPP site vicinity. The 2 figures you provided in the RAI response are very low resolution, and the features are not on one map to show the position of these features relative to TP site. Please either provide a revised map, or alternately provide a table of coordinates for all these features.