

## **PMTurkeyCOLPEm Resource**

---

**From:** Comar, Manny  
**Sent:** Wednesday, January 04, 2012 1:39 PM  
**To:** TurkeyCOL Resource  
**Subject:** FW: Draft RAI 6225 related to SRP Section 02.04.06 -Probable Maximum Tsunami Flooding for the Turkey Point Units 6 and 7 combined license application.  
**Attachments:** draft RAI 6225\_TPN.doc

---

**From:** Comar, Manny  
**Sent:** Thursday, December 15, 2011 3:38 PM  
**To:** orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher  
**Cc:** Comar, Manny  
**Subject:** Draft RAI 6225 related to SRP Section 02.04.06 -Probable Maximum Tsunami Flooding for the Turkey Point Units 6 and 7 combined license application.

To All,

Attached is the draft of RAI No:6226, regarding section 02. 04.06 Probable Maximum Tsunami Flooding 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

Manny Comar  
Senior Project Manager  
NRO/DNRL/NWE1  
Nuclear Regulatory Commission  
301-415-3863  
<mailto:manny.comar@nrc.gov>

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 504

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0806FC5061D)

**Subject:** FW: Draft RAI 6225 related to SRP Section 02.04.06 -Probable Maximum  
Tsunami Flooding for the Turkey Point Units 6 and 7 combined license application.  
**Sent Date:** 1/4/2012 1:38:33 PM  
**Received Date:** 1/4/2012 1:38:37 PM  
**From:** Comar, Manny

**Created By:** Manny.Comar@nrc.gov

**Recipients:**  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	958	1/4/2012 1:38:37 PM
draft RAI 6225_TPN.doc		31738

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

Request for Additional Information No. 6225

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding  
Application Section: Section 02.04.06

QUESTIONS from Hydrologic Engineering Branch (RHEB)

02.04.06-\*\*\*

To meet the requirements of GDC 2, 10 CFR 52.17, and 10 CFR Part 100, FPL should provide an assessment of the Probable Maximum Tsunami (PMT) for the proposed site. Section C.I.2.4.6.3 of Regulatory Guide 1.206 (RG 1.206) provides specific guidance with respect to the source characteristics needed to determine the PMT. Provide justification that triggering conditions for submarine mass failures in the Florida Straits are not currently present. If triggering and pre-conditioning factors/loading conditions such as those that caused the Miocene debris flows and likely Pleistocene-age failures at the western end of the Florida Straits (Holmes, 1985; Twichell and others, 1993) cannot be determined, explain whether potential submarine mass failures can be conservatively excluded. If such failures are considered, discuss how inclusion of this source affects PMT water levels at the site.

02.04.06-\*\*\*

To meet the requirements of GDC 2, 10 CFR 52.17, and 10 CFR Part 100, FPL should provide an assessment of the Probable Maximum Tsunami (PMT) for the proposed site. Section C.I.2.4.6.3 of Regulatory Guide 1.206 (RG 1.206) provides specific guidance with respect to the source characteristics needed to determine the PMT. Provide justification that source parameters for the Cape Fear landslide from Hornbach et al. (2007) are conservative, with regard to not only the upper part of the landslide, but also the downslope region of failure. If the source parameters for this potential PMT source are revised, discuss how the revised source affects PMT water levels at the site.

**References**

- Holmes, C.W., 1985, Accretion of the South Florida Platform, Late Quaternary development: American Association of Petroleum Geologists Bulletin, v. 69, p. 149-160.
- Twichell, D.C., Valentine, P.C., and Parson, L.M., 1993, Slope failure of carbonate sediment on the West Florida Slope, *in* Schwab, W.C., Lee, H.J., and Twichell, D.C., eds., Submarine Landslides: Selected Studies in the U.S. Exclusive Economic Zone: U.S. Geological Survey Bulletin 2002, p. 69-78.