

## **PMTurkeyCOLPEm Resource**

---

**From:** Habib, Donald  
**Sent:** Thursday, July 02, 2015 8:26 AM  
**To:** PMTurkeyCOLPEm Resource  
**Subject:** TurkeyPoint COL RAI 02 05 04-31 and RAI 02 05 04-33 Combined Draft ITAAC  
**Attachments:** TurkeyPoint COL RAI 02 05 04-31 and RAI 02 05 04-33 Combined Draft ITAAC.pdf

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 1036

**Mail Envelope Properties** (d2c44486966349529661bc6fff6f7713)

**Subject:** TurkeyPoint COL RAI 02 05 04-31 and RAI 02 05 04-33 Combined Draft ITAAC  
**Sent Date:** 7/2/2015 8:26:03 AM  
**Received Date:** 7/2/2015 8:26:04 AM  
**From:** Habib, Donald

**Created By:** Donald.Habib@nrc.gov

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

**Post Office:** HQPWMSMRS04.nrc.gov

Files	Size	Date & Time
MESSAGE	4	7/2/2015 8:26:04 AM
TurkeyPoint COL RAI 02 05 04-31 and RAI 02 05 04-33 Combined Draft ITAAC.pdf		
469146		

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

**Turkey Point Units 6 & 7**  
**COL Application**  
**FSAR Subsection 2.5.4 Stability of Subsurface Materials and Foundations**

The following ITAAC will be added to the COLA, Part 10, Appendix B:

**Table 3.8-5**  
**Fill Concrete**

<b>Design Commitment</b>	<b>Inspections, Tests, Analyses</b>	<b>Acceptance Criteria</b>
<b>First lift of fill concrete placed under the nuclear island basemat, containment building, shield building, and auxiliary building, meets durability requirements of ACI 201.2R-08 Table 6.3 for Class 2 sulfate exposure.</b>	<b>Batch tickets will be prepared according to ACI 311.5 and inspected to ensure that the first lift of fill concrete (minimum thickness of 2.5 feet) meets durability requirements of ACI 201.2R-08 Table 6.3 for Class 2 sulfate exposure.</b>	<b>The first lift of fill concrete (minimum thickness of 2.5 feet) meets durability requirements of ACI 201.2R-08 Table 6.3 for Class 2 sulfate exposure.</b>
<b>Fill concrete placed under the nuclear island basemat, containment building, shield building, and auxiliary building, is designed, constructed, and tested as specified in ACI 207.1R-05.</b>	<p><b>(a) Testing will be performed in accordance with ACI 311.5 to determine the mean compressive strength of the fill concrete.</b></p> <p><b>(b) Inspection will be performed to ensure that methods used to control thermal cracking are in accordance with ACI 207.1R-05.</b></p>	<p><b>(a) The mean 28-day compressive strength of the fill concrete is equal to, or greater than 1500 psi.</b></p> <p><b>(b) Methods used to control thermal cracking are in accordance with ACI 207.1R-05.</b></p>