

## **PMTurkeyCOLPEm Resource**

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**From:** Franzone, Steve [Steve.Franzone@fpl.com]  
**Sent:** Thursday, July 16, 2015 10:00 AM  
**To:** Comar, Manny  
**Cc:** Burski, Raymond; TurkeyCOL Resource  
**Subject:** [External\_Sender] ITAAC  
**Attachments:** 20150715\_RAI 2 5 4-26 ITAAC.docx

As requested, the ITAAC in word.

Thanks

Steve Franzone

NNP Licensing Manager - COLA

“Be careful what you water your dreams with. Water them with worry and fear and you will produce weeds that choke the life from your dream. Water them with optimism and solutions and you will cultivate success. Always be on the lookout for ways to turn a problem into an opportunity for success. Always be on the lookout for ways to nurture your dream” ~ Lao Tzu

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**From:** Franzone, Steve

**Created By:** Steve.Franzone@fpl.com

**Recipients:**

"Burski, Raymond" <RAYMOND.BURSKI@fpl.com>  
Tracking Status: None  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None  
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Tracking Status: None

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

**Table 3.8-6**  
**ITAAC for Category I Structure Foundation Grouting<sup>(1)</sup>**

Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
<p>Any potential voids between El. <math>-35 \pm 2</math> feet and El. <math>-60 \pm 2</math> feet inside the region defined by the diaphragm walls are grouted.</p> <p>The maximum equivalent spherical diameter of potential voids between El. <math>-60 \pm 2</math> feet and El. <math>-110 \pm 2</math> feet is less than <math>20 \pm 2</math> feet inside the region defined by the diaphragm walls.</p>	<p>1) Grout closure criteria for the grouted zone (between El. <math>-35 \pm 2</math> feet and El. <math>-60 \pm 2</math> feet) are defined in the grout test program.</p> <p>Inside the region defined by the diaphragm walls, drilling and pressure grouting are performed per grout program specifications established as part of grout test program for:</p> <ul style="list-style-type: none"> <li>(i) Primary and secondary grout boreholes between El. <math>-35 \pm 2</math> feet and El. <math>-60 \pm 2</math> feet (if necessary tertiary and quaternary per closure criteria), and</li> <li>(ii) Primary grout boreholes down to El. <math>-110 \pm 2</math> feet.</li> </ul> <p>2) An as-built survey will be performed to confirm the spacing of grout boreholes.</p>	<p>1) Primary and secondary grout boreholes are drilled and pressure grouted between El. <math>-35 \pm 2</math> feet and El. <math>-60 \pm 2</math> feet. Grout closure criteria for the grouted zone are met as defined in the grout test program.</p> <p>2) The as-built survey of the grout layout</p> <ul style="list-style-type: none"> <li>a) Confirms that spacing of primary grout boreholes is less than or equal to <math>20 \pm 2</math> feet on center.</li> <li>b) Confirms that secondary grout boreholes are offset from primary grout boreholes such that a secondary grout borehole is at the center of the square formed by four adjacent primary grout boreholes.</li> <li>c) Confirms the spacing of tertiary and quaternary grout boreholes if these are necessary per closure criteria.</li> </ul>

**Note:**

<sup>(1)</sup> All elevations are presented in the North American Vertical Datum of 1988 (NAVD88)