

## **PMTurkeyCOLPEm Resource**

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**From:** Williamson, Alicia  
**Sent:** Monday, October 06, 2014 4:20 PM  
**To:** Orthen, Richard (Richard.Orthen@fpl.com)  
**Cc:** TurkeyCOL Resource  
**Subject:** 100614draft Information Needs for October 2014 Site AuditFPL .docx  
**Attachments:** 100614draft Information Needs for October 2014 Site AuditFPL .docx

Rick

Attached is a draft copy of the info needs for next week's audit.  
The audit plan should be finalized tomorrow as well as the information needs.  
I do not expect the info needs to change much.  
Please confirm receipt of this message.

Any questions, let me know.

Thanx

Alicia

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**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 941

**Mail Envelope Properties** (F371D08C516DE74F81193E6D891DC4AF0168A2C930A5)

**Subject:** 100614draft Information Needs for October 2014 Site AuditFPL .docx  
**Sent Date:** 10/6/2014 4:19:48 PM  
**Received Date:** 10/6/2014 4:19:50 PM  
**From:** Williamson, Alicia

**Created By:** Alicia.Williamson@nrc.gov

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Tracking Status: None

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Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>	
MESSAGE	532	10/6/2014 4:19:50 PM	
100614draft Information Needs for October 2014 Site AuditFPL .docx			24942

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

**DRAFT**

**Information Needs for October 2014  
Supplemental Turkey Point Site Audit**

1. Provide a knowledgeable expert who can discuss the causes and impacts of the current algal bloom in the cooling canal system (CCS) for Units 3 & 4, and the associated water quality issues that have been observed in the cooling canals this summer. Also, be prepared to discuss the potential effects of suggested Florida Power and Light (FPL), Florida Department of Environmental Protection (FDEP), and South Florida Water Management District (SFWMD) mitigation measures to control the algal bloom. These mitigation measures were outlined in submittals from FPL to NRC for a license amendment to increase the discharge temperature in July and August 2014.
2. Provide a knowledgeable expert who can discuss the possible effects of the proposal to install additional groundwater wells and pump groundwater from the upper Floridan on the current and forecasted hydrological environment, including Biscayne aquifer, Biscayne Bay and other nearby major water features as noted in ER sections 2.3.1.2.3, 4.2 and 5.2. This includes effects in an environment where FPL would be operating the proposed Units 6 & 7 radial collector wells.
3. Provide a knowledgeable expert who can discuss whether pumping of additional water from the upper Floridan would affect any of the ER predictions of groundwater or surface water quality. This includes potential salinity changes in the Biscayne aquifer, Biscayne Bay or other nearby major water features in the vicinity of the proposed radial collect wells as noted in ER sections 2.3.1.2.3, 4.2 and 5.2.
4. Provide a knowledgeable expert who can discuss the potential effects of new proposed pumping from the upper Floridan on the upper Floridan aquifer and deeper aquifers, including the potential for upward migration of injected wastewater streams from the proposed Units 6 and 7.
5. Provide a knowledgeable expert to discuss if the current increase in salinity in the CCS will invalidate any of the predictions of salinities in the Biscayne Bay or other nearby major hydrologic features as noted in ER section 2.3, 4.2, and 5.2.
6. Provide a knowledgeable expert to clarify if onsite aquatic or terrestrial resources would be affected by the suggested mitigation measures as noted in Question 1.