

## **PMTurkeyCOLPEm Resource**

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**From:** Williamson, Alicia  
**Sent:** Monday, December 21, 2015 11:24 AM  
**To:** Orthen, Richard (Richard.Orthen@fpl.com)  
**Cc:** Franzone, Steve (Steve.Franzone@fpl.com); TurkeyCOL Resource  
**Subject:** Draft Met/Air RAI for discussion (public)  
**Attachments:** 122115 draft Met-Air RAI .docx

Rick  
Please let me know if the FPL team is available to discuss the draft RAI week. If not, we can talk on Jan. 5 or 6.  
See attached.  
Thank you.  
Alicia

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 1117

**Mail Envelope Properties** (7fdb7d64c8514dfb9c759e65435eda89)

**Subject:** Draft Met/Air RAI for discussion (public)  
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**Received Date:** 12/21/2015 11:23:34 AM  
**From:** Williamson, Alicia

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

**Recipients:**

"Franzone, Steve (Steve.Franzone@fpl.com)" <Steve.Franzone@fpl.com>  
Tracking Status: None  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None  
"Orthen, Richard (Richard.Orthen@fpl.com)" <Richard.Orthen@fpl.com>  
Tracking Status: None

**Post Office:** HQPWMSMRS05.nrc.gov

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**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
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**Expiration Date:**  
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RAI  
Turkey Point  
Meteorology

Basis: The staff is requesting this information under the authority of 10 CFR 51.41 in order to fulfill the NRC's responsibilities under the National Environmental Policy Act of 1969 and to inform the final environmental impact statement.

RAI:

In order to respond to EPA's comments on the DEIS, please provide quantitative information on the operation of Unit 5 at the Turkey Point site. Unit 5 consists of 4 combined cycle gas turbines with emissions vented in 4 separate stacks. Please provide the following information regarding Unit 5:

- specific locations of each of the 4 stacks (UTM coordinates preferred),
- stack parameters, including:
  - stack height,
  - stack diameter,
  - flow rate,
  - exit velocity and stack exit temperature when fired with gas
  - exit velocity and stack exit temperature when fired with oil
- emission rates for sulfur oxides (SO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), and ammonia when burning natural gas
- emission rates for sulfur oxides (SO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), and ammonia when oil-fired at full operating capacity
- the frequency of fuel oil used in the past five years
- If Unit 5 is not operated continuously at full capacity, please provide:
  - information on the frequency of use
  - average hourly activity/capacity level