

## **PMTurkeyCOLPEm Resource**

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**From:** Kugler, Andrew  
**Sent:** Thursday, July 28, 2011 1:47 PM  
**To:** Terry, Tomeka; Moulding, Patrick; Weisman, Robert; Bryce, Robert W; Comar, Manny; Cruz, Jeffrey; Whited, Ryan; RidsNroDser Resource; RidsNroDserRap2 Resource; RidsOgcMailCenter Resource; Franzone, Steve; Orthen, Richard; Maher, William; Haque, Mohammad; Clouser, Megan L SAJ; steven.hamrick@fpl.com; Ben\_West@nps.gov; Dan\_Kimball@nps.gov; Mark\_Lewis@nps.gov; Sarah\_Bellmund@nps.gov; Fred\_Herling@nps.gov; Brien\_Culhane@nps.gov  
**Cc:** TurkeyCOL Resource  
**Subject:** Environmental Request for Additional Information Letter 1107271 Related to ESRP Section 5.2, Water Related Impacts, for the Combined License Application Review for Turkey Point, Units 6 and 7  
**Attachments:** 110727-TP RAI Ltr 1107271 - Hydro 5-2 - ML112081475.pdf

All:

Attached is RAI letter No. 1107271 (RAI 5767) related to ESRP section 5.2, Water Related Impacts, for the Turkey Point Units 6 and 7 Combined License Application. The Accession number is ML112081475.

FPL is asked to respond within 45 days, by September 12, 2011. If you have any further questions, please feel free to contact me.

Andrew Kugler  
Sr. Environmental Project Manager  
NRC/NRO/RAP2  
301-415-2828

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 406

**Mail Envelope Properties** (94A2A4408AC65F42AC084527534CF4166C9202A7B4)

**Subject:** Environmental Request for Additional Information Letter 1107271 Related to ESRP Section 5.2, Water Related Impacts, for the Combined License Application Review for Turkey Point, Units 6 and 7

**Sent Date:** 7/28/2011 1:46:50 PM

**Received Date:** 7/28/2011 1:46:53 PM

**From:** Kugler, Andrew

**Created By:** Andrew.Kugler@nrc.gov

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	457	7/28/2011 1:46:53 PM
110727-TP RAI Ltr 1107271 - Hydro 5-2 - ML112081475.pdf		80991

**Options**

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

July 27, 2011

Mr. Mano K. Nazar  
Senior Vice President  
and Chief Nuclear Officer  
Florida Power & Light Company  
Mail Stop NNP/JB  
700 Universe Blvd  
Juno Beach, FL 33408-0420

SUBJECT: ENVIRONMENTAL REQUEST FOR ADDITIONAL INFORMATION LETTER  
1107271 RELATED TO ESRP SECTION 5.2, WATER RELATED IMPACTS,  
FOR THE COMBINED LICENSE APPLICATION REVIEW FOR TURKEY  
POINT, UNITS 6 AND 7

Dear Mr. Nazar:

By letter dated June 30, 2009, as supplemented by letters dated August 7, 2009, September 3, 2010, and December 21, 2010, Florida Power and Light Company (FPL) submitted its application to the U.S. Nuclear Regulatory Commission (NRC) for combined licenses (COLs) for two AP1000 advanced passive pressurized water reactors in accordance with the requirements contained in 10 CFR Part 52, "Licenses, Certifications and Approvals for Nuclear Power Plants." The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion regarding the environmental impacts of the proposed action.

The NRC staff has identified that additional information is needed to continue portions of the environmental review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 45 days of the date of this letter. If you are unable to provide a response within 45 days, please state when you will be able to provide the response. In the event the response submitted is incomplete, please indicate in the response when the complete response will be provided. If changes are needed to the COL application, the staff requests that the RAI response include the proposed wording changes. Your response should also indicate whether any of the information provided is to be withheld as exempt from public disclosure pursuant to 10 CFR 2.390.

M. Nazar

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If you have any questions or comments concerning this matter, you may contact me at 301-415-2828 or via e-mail at [Andrew.kugler@nrc.gov](mailto:Andrew.kugler@nrc.gov).

Sincerely,

**/ RA /**

Andrew Kugler, Sr. Project Manager  
Environmental Projects Branch 2  
Division of Site and Environmental Reviews  
Office of New Reactors

Docket Nos. 52-040, 52-041

Enclosure:  
As stated

cc: w/enclosure see next page

M. Nazar

- 2 -

If you have any questions or comments concerning this matter, you may contact me at 301-415-2828 or via e-mail at Andrew.kugler@nrc.gov.

Sincerely,

**/ RA /**

Andrew Kugler, Sr. Project Manager  
Environmental Projects Branch 2  
Division of Site and Environmental Reviews  
Office of New Reactors

Docket Nos. 52-040, 52-041  
eRAI Tracking No. 5767

Enclosure:  
As stated

cc: w/enclosure see next page

**DISTRIBUTION:**

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RAP2 R/F                      MComar, NRO                      JCruz, NRO                      RWhited,  
RidsNroDser                      MHaque, NRO                      NRORidsNroDserRap2                      RidsOgcMailCenterResource  
MMasnik, NRO                      MClouser, USACE ([megan.l.clouser@usace.army.mil](mailto:megan.l.clouser@usace.army.mil))

**ADAMS Accession Number: ML112081475**

**NRO-002**

<b>OFFICE</b>	<b>NRO/RENV/ RWET</b>	<b>NRO/DSER/RAP2/ PM</b>	<b>OGC</b>	<b>NRO/DSER/RAP2/ PM</b>
<b>NAME</b>	MHaque*	AKugler*	PMoulding*	AKugler*
<b>DATE</b>	5/4/2011	5/4/2011	5/4/2011	7/27/2011

\* Approval captured electronically in the electronic RAI system.

**OFFICAL RECORDS COPY**

Request for Additional Information No. 5767 Revision 2

7/27/2011

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: EIS 5.2 - Water Related Impacts  
Application Section: Part 3, Environmental Report, Section 5.3

QUESTIONS for Environmental Technical Support Branch (RENV)

EIS 5.2-1

Provide site-specific measurements of the vertical and horizontal hydraulic conductivity and the thickness of the confining geologic unit that is expected to isolate the Boulder Zone from the overlying Upper Floridan aquifer at the site of the wastewater injection wells.

EIS 5.2-2

Provide measurements of the temperature and specific gravity of groundwater within the depth interval of the Boulder Zone where wastewater will be injected.

EIS 5.2-3

Explain why upward leakage from the Boulder Zone to the Upper Floridan aquifer is not expected at the FPL wastewater injection wells in light of observed upward leakage at the Miami-Dade County South District Wastewater Treatment Plant.

EIS 5.2-4

Provide details of the planned operational monitoring of the deep injection wells including parameters, sampling frequency, reporting methods, action levels, and actions that will be taken if vertical migration of injected wastewater is detected.

ENCLOSURE