

## **PMTurkeyCOLNPEm Resource**

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**From:** Kugler, Andrew  
**Sent:** Wednesday, May 04, 2011 11:12 AM  
**To:** Terry, Tomeka; Moulding, Patrick; Bryce, Robert W; Comar, Manny; Cruz, Jeffrey; Whited, Ryan; RidsNroDser Resource; RidsNroDserRap2 Resource; RidsOgcMailCenter Resource; Franzone, Steve; Orthen, Richard; Maher, William; Price, Sarah; Masnik, Michael; Clouser, Megan L SAJ; steven.hamrick@fpl.com; Haque, Mohammad  
**Cc:** TurkeyCOL Resource  
**Subject:** ENVIRONMENTAL REQUEST FOR ADDITIONAL INFORMATION LETTER 1105042 RELATED TO ESRP SECTION 2.4, AQUATIC ECOLOGY, FOR THE COMBINED LICENSE APPLICATION REVIEW FOR TURKEY POINT, UNITS 6 AND 7  
**Attachments:** 110504-TP RAI 5704 Ltr-Hydro Ch 2-ML111240011.pdf

All:

Attached is RAI letter No. 1105042 (RAI 5704) related to ESRP section 2.4, Aquatic Ecology, for the Turkey Point Units 6 and 7 Combined License Application. The Accession number is ML111240011.

FPL is asked to respond within 45 days, by June 20, 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\_NonPublic  
**Email Number:** 586

**Mail Envelope Properties** (94A2A4408AC65F42AC084527534CF41656B7B5EB72)

**Subject:** ENVIRONMENTAL REQUEST FOR ADDITIONAL INFORMATION LETTER  
1105042 RELATED TO ESRP SECTION 2.4, AQUATIC ECOLOGY, FOR THE COMBINED LICENSE  
APPLICATION REVIEW FOR TURKEY POINT, UNITS 6 AND 7

**Sent Date:** 5/4/2011 11:11:47 AM

**Received Date:** 5/4/2011 11:11:49 AM

**From:** Kugler, Andrew

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

**Recipients:**

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Tracking Status: None

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Tracking Status: None

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Tracking Status: None

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Tracking Status: None

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"RidsOgcMailCenter Resource" <RidsOgcMailCenter.Resource@nrc.gov>

Tracking Status: None

"Franzone, Steve" <Steve.Franzone@fpl.com>

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"Price, Sarah" <Sarah.Price@nrc.gov>

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Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	446	5/4/2011 11:11:49 AM
110504-TP RAI 5704 Ltr-Hydro Ch 2-ML111240011.pdf		100181

**Options**

<b>Priority:</b>	Standard
<b>Return Notification:</b>	No
<b>Reply Requested:</b>	No
<b>Sensitivity:</b>	Normal
<b>Expiration Date:</b>	
<b>Recipients Received:</b>	

May 4, 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  
1105042 RELATED TO ESRP SECTION 2.4.2, AQUATIC ECOLOGY, 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 final safety analysis report, 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. 5704

Enclosure:  
As stated

cc: w/enclosure see next page

**DISTRIBUTION:**

AKugler, NRO                      TTerry, NRO                      PMoulding, OGC                      RBryce (rw.bryce@pnl.gov)  
RAP2 R/F                              MComar, NRO                      JCruz, NRO                              RWhited,  
RidsNroDser                              MMasnik, NRO                              NRORidsNroDserRap2                      RidsOgcMailCenterResource  
BClayton, NRO                              MClouser, USACE ([megan.l.clouser@usace.army.mil](mailto:megan.l.clouser@usace.army.mil))

**ADAMS Accession Number: ML111240011**

**NRO-002**

<b>OFFICE</b>	NRO/DSER/RENV /WET	NRO/DSER/RAP2/ PM	OGC	NRO/DSER/RAP2/ PM
<b>NAME</b>	MMasnik*	AKugler*	PMoulding*	AKugler*
<b>DATE</b>	04/11/2011	04/11/2011	04/11/2011	05/04/2011

\* Approval captured electronically in the electronic RAI system.

**OFFICAL RECORDS COPY**

Request for Additional Information No. 5704

5/4/2011

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: EIS 2.4.2 - Aquatic Ecology  
Application Section: Part 3, Env. Report, Section 2.4.2

QUESTIONS for Environmental Technical Support Branch (RENV)

EIS 2.4.2-1

Provide the following technical report: Ecological Associates Inc. 2009. "Turkey Point Plant (Units 6&7), Baseline Aquatic Biological Characterization Study, March 2008 to February 2009. Draft. July 2009." Staff requests this information to characterize the baseline temporal and spatial distribution and abundance of important aquatic species on or adjacent to the Turkey Point property.

EIS 2.4.2-2

Provide the following technical report: TTNUS, July 2009. "*Fish Surveys of the Turkey Point Property Associated with Units 6&7, June 23-24, 2009*". Staff requests this information to characterize the baseline temporal and spatial distribution and abundance of important aquatic species on or adjacent to the Turkey Point property.

EIS 2.4.2-3

Provide the following technical report: Ecological Associates, Inc., October 2, 2009. "Turkey Point Benthic Study." Staff requests this information to characterize the baseline temporal and spatial distribution and abundance of important aquatic species on or adjacent to the Turkey Point property.

EIS 2.4.2-4

Describe the freshwater lens structure within the refugia ponds as well as physical structure and dimensions of the ponds, with special emphasis on those in the northern portion of the return canals. Provide data on the salinity of these ponds, with emphasis on the late summer portion of the year.

EIS 2.4.2-5

Provide the following technical report: Ecological Associates, Inc., October 2009. "Species and Relative Abundances of Fish and Shellfish in the Vicinity of the Turkey Point Plant Based on Recent Collections." Staff requests this information to characterize the baseline temporal and spatial distribution and abundance of important aquatic species on or adjacent to the Turkey Point property.

Enclosure

#### EIS 2.4.2-6

Provide the following technical report: Ecological Associates, Inc., August 2009. "Turkey Point Peninsula Seagrass Survey." Staff requests this information to characterize the baseline temporal and spatial distribution and abundance of important aquatic species on or adjacent to the Turkey Point property.

#### EIS 2.4.2-7

Provide the following technical report: HDR June 12, 2009. "Turkey Point Units 6 & 7 Roads and Bridges Conceptual Design Report." Staff requests this information to assess the potential impacts from the building of roads and bridges to support the building of Units 6 and 7.

#### EIS 2.4.2-8

Provide American Crocodile Monitoring Annual Reports from 2000 to present. Staff requests this information to characterize the baseline conditions that exist for the crocodile populations living on or adjacent to the Turkey Point property, and to assess the potential for impacts to this species.

#### EIS 2.4.2-9

Provide the following report: Mazzotti, F.J., M.D. Cherkiss, and J.B. Beauchamp (2009). "American Crocodile Monitoring Program for the Turkey Point Uprate." Prepared for Florida Power & Light Company, Juno Beach, FL. Staff requests this information to characterize the baseline conditions that exist for the crocodile populations living on or adjacent to the Turkey Point property, and to assess the potential for impacts to this species.

#### EIS 2.4.2-10

Provide the following report: Tucker, W.A., J. Wasilewski, E. Zillioux, A.B. Shortelle, and J. Lindsay (n.d.). "Assessment of American Crocodile Populations of Southern Florida: Trends in Population and Reproduction Rates. Unpublished." Staff requests this information to characterize the baseline conditions that exist for the crocodile populations living on or adjacent to the Turkey Point property, and to assess the potential for impacts to this species.