

November 2, 2015

Mr. Mano K. Nazar, 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  
150211 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, December 16, 2011, December 14, 2012, December 16, 2013, and October 29, 2014, 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 301-415-1878 or via e-mail at [Alicia.Williamson@nrc.gov](mailto:Alicia.Williamson@nrc.gov).

Sincerely,

*/RA/*

Alicia Williamson, Environmental Project Manager  
Environmental Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-040, 52-041

eRAI Tracking Nos.: 8374, 8376, 8380

Enclosure:  
As stated

cc: w/enclosure see next page

M. Nazar

- 2 -

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Sincerely,

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Alicia Williamson, Environmental Project Manager  
Environmental Projects Branch  
Division New Reactor Licensing  
Office of New Reactors

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Enclosure:  
As stated

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**ADAMS Accession Number: ML15307A160**

**\*via email**

**NRO-002**

<b>OFFICE</b>	NRO/DNRL/EPB/BC	NRO/DNRL/EPB/PM
<b>NAME</b>	JDixon-Herrity*	AWilliamson*
<b>DATE</b>	10/29/2015	11/02/2015

\* Approval captured electronically in the electronic RAI system.

**OFFICAL RECORDS COPY**

Request for Additional Information 8374  
Application Title: Turkey Point Units 6 and 7 - Dockets 52-040 and 52-041  
Operating Company: Florida Power and Light  
Review Section: EIS AE - Ecology/Aquatic

QUESTIONS

EIS AE-Q1

Provide any additional information since the 2009 EAI report, on the results of a benthic habitat (including seagrass) and species survey for the marine environment around the proposed RCW installation and operation area. Please include a copy of the "Land-Based Mesocosm Project to Evaluate Potential Radial Collector Well Impacts to Seagrass, Atkins, April 2013" study that was referenced in the DEIS DOI EPA Comment Letter Observations, Attachment 1 Page 71 of 92.

Staff requires any additional information to characterize the baseline conditions that exist for seagrass and benthic species populations living in the marine environment adjacent to the Turkey Point property in the area of the proposed RCW.

EIS AE-Q2

Provide additional information on the placement and management of excavated muck to be placed on the IWF berms. Include information or plans for methods for preparation prior to placement such as trenching to a specified depth, use of containment such as a liner, and management of stacked muck to prevent erosion, access for nesting by American crocodiles, or displacement of muck into the IWF canals.

Staff requires this information to assess changing environmental conditions to the protected American crocodile following placement of excavated muck.

Request for Additional Information 8376  
Application Title: Turkey Point Units 6 and 7 - Dockets 52-040 and 52-041  
Operating Company: Florida Power and Light  
Review Section: EIS TE - Ecology/Terrestrial

QUESTIONS

EIS TE-Q1

Findings of Fact #187 of the Conditions of Certification issued by the Siting Board on 5/19/14 states development of roads and pipeline corridors would impact 69 acres of Florida panther habitat within the USFWS Panther Focus Area with a value of 297 Panther Habitat Units. Habitat loss, degradation, and fragmentation have been identified in the USFWS Florida Panther Recovery Plan (3rd revision dated 1 November, 2008) as the greatest threat to panther survival. Findings of Fact 605 of the same Conditions of Certification states "any loss of wood stork foraging habitat will be fully mitigated". Section C: Specific Conditions – Transmission Lines within the Conditions of Certification issued by the Siting Board on 5/19/14 requires the Licensee provide a calculation of wood stork foraging habitat loss based on the application of the USFWS Habitat Assessment Foraging Model and a mitigation plan (pg. 717). Although the use of the West Consensus corridor may reduce impacts to stork foraging habitat, it does not eliminate them. As the ER Rev. 6 states the west transmission corridors occur within the core foraging areas of 9 wood stork colonies (pg 4.3-14). Please provide a draft or final wildlife habitat mitigation plans that account for impacts to wildlife habitat (Florida panther, wood stork foraging, and migratory birds) from the proposed Units 6 & 7 construction, operation, and maintenance.

EIS TE-Q2

Please provide an estimate of actual impact extent using Level III FLUCFCS codes within each proposed offsite transmission line, access road, and pipeline corridor. Please include a quantification of temporary and permanent impacts and describe the timeframe that FPL is using to define "temporary."

EIS TE-Q3

Please provide a wetland functional loss assessment (including acreage data and UMAM scores) for each wetland cover type within the West Consensus transmission corridor by segment (1A, 1B, 1C, 1D, 2, 3A, 3B, 3C, 4, 5A, 5B, 6) and within the Tamiami Trail and Krome Ave access road corridors. Currently wetland acreage is presented only as a sum, and UMAM scores are presented only as averages within Table 2-5 of the Turkey Point Units 6 & 7 Mitigation Plan Rev. 2 dated July 2011 (093-87652).

EIS TE-Q4

Please provide a description of specific measures (i.e. best management practices) that would be employed during the construction and operation of the West Transmission Line to minimize impacts to federally listed species and their habitats within the King's Highway Rockland.

EIS TE-Q5

Please provide any bird use survey methods and results conducted on the Units 6&7 Plant area Mud Island, including presence and abundance of red knots.

EIS TE-Q6

Please provide any proposed plans for maintenance or restoration of the main construction access road once the proposed facilities are constructed.

EIS TE-Q7

Please provide a wetland functional assessment (including acreage data and UMAM scores) for the reclaimed water pipeline restoration areas depicted in Figure 2.2-3 of the Environmental Report Revision 6.

Request for Additional Information 8380  
Application Title: Turkey Point Units 6 and 7 - Dockets 52-040 and 52-041  
Operating Company: Florida Power and Light  
Review Section: EIS HYD/G - Hydrology/Ground Water

QUESTIONS

EIS HYD/G-Q1

The NRC staff needs to understand how the recent changes in the operation of the IWF (Industrial Wastewater Facility) may change the environmental baseline of the affected environment in the vicinity of Units 6 and 7. Though the staff understands that the annual Extended Power Uprate Monitoring report will not be submitted to the Florida Department of Environmental Protection until spring 2016, the staff requests currently available data of recent conditions of the IWF and associated monitoring wells, including water levels, water temperature, salinity, water quality parameters, and turbidity, since May 31, 2014. Provide the existing data on past pumpage rates from various sources, including the freshwater canals and wells in the Biscayne or Upper Floridan aquifers associated with the IWF. Further, please provide a reasonable range of future pumpage rates from these sources.

Also, provide Units 3 and 4 flowrates and temperature changes at the intakes and discharges in the IWF since May 2014. Please include any data from before June 2014 that had not been included in the 2014 report.

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.