

PMTurkeyCOLPEm Resource

From: Kugler, Andrew
Sent: Tuesday, April 12, 2011 6:54 AM
To: Orthen, Richard; Franzone, Steve; Maher, William; steven.hamrick@fpl.com
Cc: Bryce, Robert W; TurkeyCOL Resource; Moulding, Patrick; Clouser, Megan L SAJ; Masnik, Michael
Subject: Forwarding Draft RAIs 5704, 5707, and 5708-Aquatic Ecology for Chapters 2, 4, and 9
Attachments: 110412-Draft RAI 5708 - Aquatic Ch 9.docx; 110412-Draft RAI 5704 - Aquatic Ch 2.docx; 110412-Draft RAI 5707 - Aquatic Ch 4.docx

Steve

Attached are draft RAIs 5704, 5707, and 5708 prepared by the NRC staff for the environmental review of Turkey Point Units 6 and 7. These RAIs are related to aquatic ecology for Chapters 2, 4, and 9, respectively.

After you've had an opportunity to review the RAIs, we can set up a call involving FPL and NRC for any clarifications of the requests. At that time we can also discuss an appropriate timeframe for the FPL responses. If you have any questions, please give me a call.

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

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Subject: Forwarding Draft RAIs 5704, 5707, and 5708-Aquatic Ecology for Chapters 2, 4, and 9
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Received Date: 4/12/2011 6:53:55 AM
From: Kugler, Andrew

Created By: Andrew.Kugler@nrc.gov

Recipients:

"Bryce, Robert W" <rw.bryce@pnl.gov>
Tracking Status: None
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>
Tracking Status: None
"Moulding, Patrick" <Patrick.Moulding@nrc.gov>
Tracking Status: None
"Clouser, Megan L SAJ" <Megan.L.Clouser@usace.army.mil>
Tracking Status: None
"Masnik, Michael" <Michael.Masnik@nrc.gov>
Tracking Status: None
"Orthen, Richard" <Richard.Orthen@fpl.com>
Tracking Status: None
"Franzone, Steve" <Steve.Franzone@fpl.com>
Tracking Status: None
"Maher, William" <William.Maher@fpl.com>
Tracking Status: None
"steven.hamrick@fpl.com" <steven.hamrick@fpl.com>
Tracking Status: None

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Files	Size	Date & Time
MESSAGE	608	4/12/2011 6:53:55 AM
110412-Draft RAI 5708 - Aquatic Ch 9.docx		19581
110412-Draft RAI 5704 - Aquatic Ch 2.docx		21296
110412-Draft RAI 5707 - Aquatic Ch 4.docx		19940

Options

Priority: Standard
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Draft Request for Additional Information No. 5708

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: EIS 9.3 - Alternative Sites
Application Section: Part 3, Env. Report, Section 9.3

QUESTIONS for Environmental Technical Support Branch (RENV)

EIS 9.3-***

Provide the 2009 sustainability report regarding listed species, which FPL personnel mentioned during the Martin alternative site visit.

EIS 9.3-***

Using the FNAI tracking list and other sources of information, provide an assessment of whether any Florida counties bordering Lake Okeechobee contain Threatened or Endangered (T&E) species. This request would also pertain to reaches of the Kissimmee River that cross county lines if river water is being considered for use in the reactor cooling system. For aquatic resources, T&E species should include fish, bivalves, mammals, and aquatic plants. To assess potential impacts to T&E species in Lake Okeechobee in a manner that accounts for the mobility and distribution of aquatic species, the staff requests additional information on T&E species that could occur in the lake and any bordering county. Information provided in ER Rev. 2 focuses only on counties where an alternative site is located.

Draft Request for Additional Information No. 5704

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-***

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-***

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-***

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-***

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-***

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.

EIS 2.4.2-***

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-***

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-***

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-***

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-***

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.

Draft Request for Additional Information No. 5707

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: EIS 4.3.2 - Aquatic Impacts
Application Section: Part 3, Env. Report, Section 4.3.2

QUESTIONS for Environmental Technical Support Branch (RENV)

EIS 4.3.2-***

Provide the following document: "Florida Power & Light Company Turkey Point Units 6 & 7 Project Manatee Protection Plan. Standard Manatee Construction Conditions for In-Water Work Within the Barge Turning Basin and Entrance Channel at Turkey Point Plant." Staff requests this information to assess the potential for adverse impacts to manatee populations near the facility from the building of Units 6 and 7.

EIS 4.3.2-***

Regarding the proposed expansion of the equipment barge unloading area to support construction of the new unit, describe the excavation that will be necessary for upland areas adjacent to the turning basin, and the dredging, if any, that will be necessary within the turning basin. Also, provide the dimensions of the existing barge channel (length, minimum and average width, and minimum and average depth), and the current depth of the Intercoastal Waterway from Turkey Point to the expected port(s) serving as origins for equipment delivery. Finally, provide the dimensions (length, width, draft) of barges currently used to supply equipment to Turkey Point, and the dimensions of barges that would be used during the construction of the proposed units.