

February 13, 2013

Mr. Mano K. Nazar, Senior Vice President  
and Chief Nuclear Officer  
Florida Power and Light Company  
Mail Stop NNP/JB  
700 Universe Blvd  
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SUBJECT: FOLLOW-UP QUESTIONS TO ENVIRONMENTAL REQUEST FOR ADDITIONAL  
INFORMATION 6353 QUESTION 3 RELATED TO ESRP SECTION 9.3.1  
ALTERNATIVE SITE SELECTION, 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, December 21, 2010, December 16, 2011, and December 14, 2012, Florida Power and Light Company (FPL) submitted its application to the U.S. Nuclear Regulatory Commission (NRC) for combined licenses (COL) for two AP1000 advanced passive pressurized water reactors in accordance with the requirements contained in Title of the 10 *Code of Federal Regulations* (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.

On August 30, 2012, the staff issued request for additional information (RAI) 6353 questions 1 through 14. Subsequently, FPL submitted draft responses to these questions. The NRC held a public meeting with FPL on December 7, 2012, and a public teleconference on February 1, 2013, to clarify information on these draft responses. As a result, the staff identified additional follow up questions for RAI 6353 question 3. Those follow up questions are contained as an 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. K. Nazar

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If you have any questions or comments concerning this matter, you may contact me at 301-415-1177 or via e-mail at [John-Chau.Nguyen@nrc.gov](mailto:John-Chau.Nguyen@nrc.gov).

Sincerely,

**/RA/**

John-Chau Nguyen, Senior Project Manager  
Environmental Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-040 and 52-041  
eRAI Tracking No. 6353

Enclosure:  
As stated

cc: w/enclosure see next page

M. K. Nazar

- 2 -

If you have any questions or comments concerning this matter, you may contact me at 301-415-1177 or via e-mail at John-Chau.Nguyen@nrc.gov.

Sincerely,

**/RA/**

John-Chau Nguyen, Senior Project Manager  
Environmental Projects Branch 1  
Division New Reactor Licensing  
Office of New Reactors

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Enclosure:  
As stated

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<b>DATE</b>	02/12/2013	02/13/2013	2/13/2013

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## Follow-up Questions for Request for Additional Information No. 6353, Question 3

Turkey Point Units 6 and 7  
Florida Power and Light  
Docket Nos. 52-040 and 52-041  
SRP Section: EIS 9.3.1 - Alternative Site Selection Process  
Application Section: Section 9.3

The NRC staff has reviewed the draft response to RAI 6353, Question 3, submitted by FPL on October 16, 2012. The draft response addressed NRC concerns in part. However, additional information is needed to reach full resolution of the associated issues. The following summarizes those issues<sup>1</sup> for which the staff still needs clarification/information with regard to RAI 6353, Q3. The staff requests that FPL explain the apparent conflicts among the environmental report (ER), the Augmentation report, the RAI responses, and FPL's The Least Environmentally Damaging Practicable Alternative (LEDPA) report that are described below.

### Martin Site

The ER still indicates that Martin is more highly rated because of FPL ownership in a number of places, although on page 9.3-52 it acknowledges the need for additional land for the reservoir. The Augmented report gave the Martin site the highest possible rating (5), even though by the time that report was prepared FPL knew it would need a considerable amount of additional land to use the site. The FPL response to RAI 5589 Q8 discusses this issue in more detail, but indicates no changes to the ER. In addition, the LEDPA analysis indicates that obtaining land for the reservoir would be problematic, which appears to conflict with the ER and the Augmented report.

The Augmented report indicates that the Martin site is scored a 4 or 5 for attributes related to transportation and transmission access. But the LEDPA analysis submitted to USACE states that one of the reasons the site is impracticable is because of inadequate infrastructure.

### Martin A and Glades A Sites

In discussing the deferral of the Martin A site, the ER at page 9.3-15 discusses that the site is questionable in terms of developing a water supply. But the response to RAI 6353, Q3 states that this site was not deferred because of water availability issues. A similar conflict exists for the Glades A site. In addition, the Augmented report (pages D-23 to D-26) scores the Martin A site higher than the Martin site, and the Glades A site higher than the Glades site, in the area of "Cooling Water".

The response to RAI 6353, Q3, indicates that neither the Martin A or Glades A site would have met the business objectives of the project because of the potential for lengthy land negotiations. It is not clear why this concern, which the NRC does not concede is relevant, would not have prevented FPL from considering the Okeechobee 2 site.

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<sup>1</sup> Issues related to water availability are being addressed separately and will not be discussed here.

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