

February 3, 2016

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
160302 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, October 29, 2014 and October 14, 2015, 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.

Sincerely,

Alicia Williamson, Environmental Project Manager
Environmental Projects Branch
Division of New Reactor Licensing
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 301-415-1878 or via e-mail at Alicia.Williamson@nrc.gov.

Sincerely,

/RA/

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

Docket Nos.: 52-040, 52-041
eRAI Tracking No. 8506, 8508

Enclosure:
As stated

cc: w/enclosure see next page

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ADAMS Accession Number: ML16033A453

NRO-002

OFFICE	NRO/DNRL/EPB/BC	NRO/DNRL/EPB/PM
NAME	JDixon-Herrity*	AWilliamson*
DATE	1/21/2016	02/03/2016

* Approval captured electronically in the electronic RAI system.

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Request for Additional Information 8506
Application Title: Turkey Point Units 6 and 7 - Dockets 52-040 and 52-041
Operating Company: Florida P and L
Review Section: EIS RW/SYS - Radioactive Waste-Management Systems

QUESTIONS

EIS RW/SYS-1

Provide in electronic format the GASPAR II input and output files for the analysis presented in ER Section 5.4 applying the parameters in Table 5.4-5 of Revision 6 to the ER.

Basis for the RAI

FPL provided the following comment on the DEIS (Comment TURK-COL6&7-DR-00619-7-14):

DEIS Appendix G, Subsection G.2.2.6, Page G-14, Table G-11, "Calculated Doses to the Population within 50 minutes of the Turkey Point Site from Gaseous and Liquid Pathways (Two AP1000 Units)," contains calculated whole body doses by various pathways and reports the "FPL Estimate" for each cited pathway. The "FPL Estimate" contains a footnote which cites (FPL 2014-TN4058), FPL's ER Revision 6. However, the listed doses by pathway in Table G-11 that are attributed to the ER do not appear in the ER.

The staff obtained the FPL values in Table G-11 from a GASPAR II run applying FPL input values as provided in ER Table 5.4-5, Gaseous Effluent Exposure Pathway Parameters, and not directly from the Environmental Report (ER) as noted by FPL. In order to have the proper citation for the various population exposure pathways listed in Table G-11, the staff requests that FPL provide on the docket and in electronic format the GASPAR II input and output files for the analysis presented in ER Section 5.4 applying the parameters in Table 5.4-5 of Revision 6 to the ER.

Request for Additional Information 8508
Application Title: Turkey Point Units 6 and 7 - Dockets 52-040 and 52-041
Operating Company: Florida P and L
Review Section: EIS MET - Meteorology and Air Quality

QUESTIONS

EIS MET-1

Basis: 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.

RAI:

In order to respond to EPA's comments on the DEIS, please provide quantitative information on the operation of Unit 5 at the Turkey Point site. Unit 5 consists of 4 combined cycle gas turbines with emissions vented in 4 separate stacks. Please provide the following information regarding Unit 5:

- specific locations of each of the 4 stacks (UTM coordinates preferred),
- emission rates for ammonia when burning natural gas
- emission rates for ammonia when oil-fired at full operating capacity
- the frequency of fuel oil used in the past five years
- If Unit 5 is not operated continuously at full capacity, please provide:
 - o information on the frequency of use
 - o average hourly activity/capacity level

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