

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](mailto: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](mailto: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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MClouser, USACE ([megan.l.clouser@usace.army.mil](mailto:megan.l.clouser@usace.army.mil))      bryan\_faehner@nps.gov

**ADAMS Accession Number:** ML16033A453

NRO-002

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

\* Approval captured electronically in the electronic RAI system.

**OFFICAL RECORDS COPY**

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 GASPARD 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 GASPARD 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 GASPARD 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

County Administrator  
Monroe County  
1100 Simonton Street  
Key West, FL 33040

County Attorney  
Monroe County  
P.O. Box 1026  
Key West, FL 33041-1026

Mr. Rick Button  
U.S. Environmental Protection Agency  
Region 4 - NEPA Program Office  
Forsyth St.  
Atlanta, GA 30303

Ms. Megan Clouser  
Senior Project Manager  
U.S. Corps of Engineers  
Regulatory Division  
9900 SW 107th Ave., Suite 203  
Miami, FL 33176-2785

Mr. Miles Croom  
Assist. RA for Habitat Conservation  
U.S. National Marine Fisheries Services  
Southeast Regional Office  
Sustainable Fisheries Div.  
263 13th Ave. South  
St. Petersburg, FL 33701

Mr. Paul Gagliano  
U.S. Environmental Protection Agency  
Region 4 - NEPA Program Office  
Forsyth St.  
Atlanta, GA 30303

Mr. Mike Halpin, Manager  
Florida Dept. of Environmental Protection  
Siting Coordination Ofc.  
3900 Commonwealth Blvd.  
Tallahassee, FL 32399-3000

Mr. Lee N. Hefty, Director  
Division of Environmental Resources  
Management  
Department of Regulatory  
and Economic Resources  
Miami-Dade County  
701 NW 1st Court, 4<sup>th</sup> Floor  
Miami, FL 33136-3902

Mr. David S. Hobbie, Chief  
Regulatory Division  
U.S. Army Corps of Engineers  
Regulatory Division  
701 San Marco Blvd.  
Jacksonville, FL 32207

Mr. Robert Hoffman  
Supervisory Fishery Biologist  
U.S. National Marine Fisheries Services  
Southeast Regional Office  
Protected Resources Division  
263 13th Ave. South  
St. Petersburg, FL 33701

Ms. Pamela Hogue, Manager  
Homestead Branch Library  
700 North Homestead Blvd.  
Homestead, FL 33030-6212

Mayor Carlos A. Jimenez  
Stephen P. Clark Center  
111 N.W. 1st St., 29<sup>th</sup> Floor  
Miami, FL 33128

Ms. Yvonne Knowles  
229 No. Krome Ave., Ste. 3  
Homestead, FL 33030

Mr. Steve Krupa, P.G.,  
Sr. Supervising Hydrogeologist  
South Florida Water Management District  
Hydrogeology Section, Water Supply  
3301 Gun Club Rd. West  
SFWMD - POB 24680 - M.S. 4330  
Palm Beach, FL 33416

Mr. Brian Carlstrom, Superintendent  
U.S. National Park Service  
Biscayne National Park  
9700 SW 328th St.  
Homestead, FL 33033-5634

Ms. Cindy Mulkey, Engineer Specialist  
Florida Dept. of Environmental Protection  
Siting Coordination Ofc.  
3900 Commonwealth Blvd.  
Tallahassee, FL 32399-3000

Mr. Dimitrios Nares, Assistant Director  
Economic Development  
and International Trade  
Department of Regulatory  
and Economic Resources  
Steven P. Clark Center  
Miami-Dade County  
111 N.W. 1st Street, 19<sup>th</sup> Floor  
Miami, FL 33128

Mr. Bob Progulske, Field Supervisor  
U.S. Interior Fish and Wildlife Services  
South Florida Ecological Services Ofc.  
1339 20th St.  
Vero Beach, FL 32960-3559

Mr. Pedro Ramos, Superintendent  
U.S. National Park Service  
Everglades National Park  
40001 State Rd. 9336  
Homestead, FL 33034-6733

Ms. Zelda Ryles, Manager  
South Dade Regional Library  
10750 SW 211th St.  
Miami, FL 33189

Ms. Ruth Thomas  
354 Woodland Drive  
Columbus, NC 28722

Mr. Mark Woerner, Chief  
Planning Division  
Department of Regulatory  
and Economic Resources Planning  
Miami Dade County  
111 NW 1<sup>st</sup> Street, 12<sup>th</sup> Floor  
Miami, Florida 33128



Mr. John Williamson, Administrator  
Bureau of Radiation Control  
Florida Department of Health  
2044 All Children's Way  
Orlando, FL 32818

David Enfield, PhD, UM  
8395 SW 73<sup>rd</sup> Ave, #812  
Miami, FL 33143

City of Miami, Office of the City Attorney  
c/o Victoria Mendez & Matthew Haber  
444 SW 2<sup>nd</sup> Avenue, Suite 945  
Miami, FL 33130

Mr. John Wrublik  
Fish & Wildlife Biologist  
U.S. Interior Fish & Wildlife Services  
South Florida Ecological Services Office  
1339 20th St.  
Vero Beach, FL 32960-3559

Mr. Kirk C. Zuelch, Executive Director  
Florida Keys Aqueduct Authority  
1100 Kennedy Dr.  
Key West, FL 33040

Email:

salexander@southmiamifl.gov (Steven Alexander)  
aalmi007@gmail.com (Alejandro Almiroll)  
valeriejamor@gmail.com (Valerie Amor)  
arlottajoe@gmail.com (Joseph Arlotta)  
Sarah\_bellmund@nps.gov (Sarah Bellmund)  
Ce.berendsohn@gmail.com (Catherine Berendsohn)  
Bob.Bertelson@fpl.com (Bob Bartelson)  
david@bethunecompany.com (David Bethune)  
Stephanus1957@gmail.com (Steve Boling)  
breslint@fiu.edu (Thomas Breslin)  
rbrito4902@gmail.com (Rosa Brito)  
dcaraza@comcast.net (Devin Caraza)  
andrew.chatterton@FPL.com (Andrew Chatterton)  
Megan.L.Clouser@usace.army.mil (Megan Clouser)  
crcorda@bellsouth.net (Charles Corda)  
orlando.cruz@tylin.com (Orland R. Cruz)  
dennisdaley@bellsouth.net (Dennis Daley)  
remonster@gmail.com (Victor del Cid)  
ThisVoyager@msn.com (Diane Deller)  
billd@baptisthealth.net (Bill Duquette)  
gedmond@southmiamifl.gov (Gabriel Edmond)  
mfinlan@chamberinaction.com (Mary Finlan)  
Steve.Franzone@fpl.com (Steve Franzone)  
John426@bellsouth.net (John Eastman)  
paulgannett@yahoo.com (Paul Gannett)  
paul.gaukler@pillsburylaw.com (Paul Gaukler)  
magolds@emory.edu (Mindy Goldstein)  
javiergonzalezpa@bellsouth.net (Javier Gonzalez)  
GrossC@miamidade.gov (Craig Grossenbacher)  
umdave@bellsouth.net (Pave C. Guzman)  
khamilton@sfrpc.com (Karen Hamilton)  
picbywal@atlanticbb.net (Walter Harris)  
walterhrs@gmail.com (Walter Harris)  
albert@smallco.net (Albert Harum-Alvaez)  
jshelburnehenry@me.com (James Henry)  
HeftyL@miamidade.gov (Lee Hefty)  
chenderson@tylin.com (Colin Henderson)  
ethepburn@gmail.com (Liz Hepburn)  
Fred\_Herling@nps.gov (Fred Herling)  
rholmes@sfwmd.gov (Ruth Holmes)  
richardhorton@bellsouth.net (Richard M. Horton)  
thutton@bellsouth.net (Tom Hutton)  
nljnhj@bellsouth.net (Nelda Jacques)  
JoeJames10@bellsouth.net (Joseph James)  
indy2001@comcast.net (Linda Koenigsbery)  
alliance4cleanfl@aol.com (Bob Krasowski)  
lkrimsky@ufl.edu (Lisa Krimsky)  
nrkpax@aol.com (Nathan Kurand)

nancy88@bellsouth.net (Nancy Lee)  
mayorlerner@gmail.com (Mayor Cindy Lerner)  
dmandch@aol.com (Drew Martin)  
rogelito84@comcast.net (Rogelio Madan)  
William.Maher@fpl.com (Bill Maher)  
kmalave@flrc.org (Kevin Malave)  
bobmccolgan@yahoo.com (Robert McColgan)  
mccras@miamidade.gov (Sean McCrackine)  
stephenmcduffierep@gmail.com (Stephen McDuffie)  
mcsweeny@bellsouth.net (C. McSweeny)  
amencio@miamigov.com (Alina Mencio)  
VictoriaMendez@miamigov.com (Victoria Mendez)  
saja37@mac.com (Margaret Morales)  
renemorales37@mac.com (Rene Morales)  
dpmoses@bellsouth.net (Dottie Moses)  
AnneMullins@semtribe.com (Anne Mullins)  
Michael.Murphy@fpl.com (Michael Murphy)  
nares@miamidade.gov (Dimitrios Nares)  
mikenelson@live.com (Mike Nelson)  
rnelson@miamigov.com (Ron Nelson)  
billn@fcan.org (Bill Newton)  
OteroL@miamidade.gov (Luis Otero)  
mpico@mmgequitypartners.com (Martin Pico)  
jporter@cityofhomestead.com (Jeff Porter)  
pybas@att.net (Don Pybas)  
rreichling@communitybankfl.com (Renee' Reichling)  
director@tropicalaudubow.org (Laura Reynolds)  
david.rifkind@fiu.edu (David Rifkind)  
bill\_riley@IBEW349.org (Bill Riley)  
mannyj@rodtec.net (Manuel J. Rodriguez)  
thomasrodriguez@gmail.com (Thomas Rodriguez)  
megryan561@gmail.com (Meg Ryan)  
saprodani@gmail.com (Thomas Saporito)  
southfloridawild@yahoo.com (Matthew Schwartz)  
JSegor@aol.com (Joseph Segor)  
jshaw@sfwmd.gov (Johnathan Shaw)  
marashl@hotmail.com (Mara Shlackman)  
chris\_simpson@ibew349.org (Chris Simpson)  
ironman54912@yahoo.com (Richard Snelson)  
msoria.vw@gmail.com (Laura J. Soria)  
priscillaastar@hotmail.com (Priscilla Star)  
mayorstoddard@gmail.com (Philip K. Stoddard)  
jamesdteas@gmail.com (Jim Teas)  
CTepper@semtribe.com (Craig Tepper)  
dicktownsend@att.net (Dick Townsend)  
jonathan.ullman@sierraclub.org (Jonathan Ullman)  
twalker@fkaa.com (Tom Walker)  
FLCityMayo@aol.com (Otis Wallace)  
Ben\_West@nps.gov (Ben West)

LauraSue@silvernightingale.com (Laura Sue Wilansky)  
grossor@nsu.law.nova.edu (Richard Grosso)  
kpoli006@fiu.edu (Karina Polini)  
bpoli003@fiu.edu (Bianca Polini)  
harlemp@fiu.edu (Peter Harlem)  
denfield@earthlink.net (David Enfield)  
marshmaid@gmail.com (Rhonda Roff)  
bwtamia@bellsouth.net (Barry White)  
vmendez@miamigov.com (Victoria Mendez)  
mshaber@miamigov.com (Matthew Haber)