



L-2011-381  
10 CFR 52.3

September 13, 2011

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Re: Florida Power & Light Company  
Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
Response to NRC Environmental Request for Additional Information Letter 110614  
(RAI 5763 Revision 2) Environmental Standard Review Plan Section 2.3 - Water

Reference:

1. NRC Letter to FPL dated June 14, 2011, Environmental Request for Additional Information Letter 110614 Related to ESRP Section 2.3, Water, for the Combined License Application Review for Turkey Point Units 6 and 7
2. FPL Letter to NRC L-2011-284 dated July 29, 2011, Response to NRC Environmental Request for Additional Information Letter 110614 (RAI 5763 Revision 2) Environmental Standard Review Plan Section 2.3 – Water

Florida Power & Light Company (FPL) provides, as an attachment to this letter, its response to the Nuclear Regulatory Commission's (NRC) Environmental Request for Additional Information (RAI) 2.3-3 provided in Reference 1. FPL informed the NRC of the schedule for submitting this response in Reference 2. The attachment identifies changes that will be made in a future revision of the Turkey Point Units 6 and 7 Combined License Application (if applicable).

If you have any questions, or need additional information, please contact me at 561-691-7490.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on September 13, 2011.

Sincerely,

William Maher  
Senior Licensing Director – New Nuclear Projects

WDM/RFO  
Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

DO97  
NRD

Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
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Attachment: FPL Response to NRC RAI No. 2.3-3 (RAI 5763 Revision 2)

cc:

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO  
Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

**NRC RAI Letter 110614 Dated June 14, 2011**

**SRP Section: EIS 2.3 – Water**

Question from Environmental Technical Support Branch (RENV)

**NRC RAI Number: 2.3-3 (RAI 5763 Revision 2)**

Provide a current potentiometric map of the Upper Floridan aquifer in addition to the 1980 potentiometric surface map provided in the ER. This information is requested to allow the staff to determine flow directions within the Upper Floridan Aquifer (UFA) and potential for vertical flow from the Boulder Zone to the UFA.

**FPL RESPONSE:**

The following current potentiometric maps for the Upper Floridan Aquifer do not include the Turkey Point Units 6 & 7 site:

1. Potentiometric Surface of the Upper Floridan Aquifer in the St. Johns River Water Management District and Vicinity, Florida. Maps from May 2000 to May 2009. Available at <http://fl.water.usgs.gov/Orlando/PotMap/>. Accessed September 7, 2011.
2. Potentiometric Surface of the Upper Floridan Aquifer, West-Central Florida, September 2010. Available at <http://pubs.usgs.gov/sim/3148/>. Accessed September 7, 2011.
3. Potentiometric Surface of the Upper Floridan Aquifer, West-Central Florida, September 2007. Available at <http://pubs.usgs.gov/of/2008/1105/>. Accessed September 7, 2011.
4. Potentiometric Surface of the Upper Floridan Aquifer, West-Central Florida, September 2006. Available at <http://pubs.usgs.gov/of/2007/1228/>. Accessed September 7, 2011.
5. Potentiometric Surface of the Upper Floridan Aquifer, West-Central Florida, May 2006. Available at <http://pubs.usgs.gov/of/2007/1032/>. Accessed September 7, 2011.
6. Potentiometric Surface of the Upper Floridan Aquifer, West-Central Florida, May 2005. Available at <http://pubs.usgs.gov/of/2006/1009/>. Accessed September 7, 2011.

The following historical potentiometric maps for the Floridan aquifer system include the Turkey Point Units 6 & 7 site:

7. Bellino, J.C., 2011, Digital surfaces and hydrogeologic data for the Floridan aquifer system in Florida and in parts of Georgia, Alabama, and South Carolina: U.S. Geological Survey Data Series 584. [Scanned Images (georeferenced) Plate 5 - potentiometric surface of the Upper Floridan aquifer, May 1980] Available at <http://pubs.usgs.gov/ds/584/> as file "plt05\_ufa\_may1980.tif.zip." Accessed September 7, 2011.

8. Ground Water Atlas of the United States: Alabama, Florida, Georgia, South Carolina. HA 730-G. [Figure 59: Pre-development and Figure 60: May 1980] Available at [http://pubs.usgs.gov/ha/ha730/ch\\_g/G-text6.html](http://pubs.usgs.gov/ha/ha730/ch_g/G-text6.html). Accessed September 7, 2011.

This response is PLANT SPECIFIC.

**References:**

None

**ASSOCIATED COLA REVISIONS:**

No COLA revisions have been identified as a result of this response.

**ASSOCIATED ENCLOSURES:**

None