



L-2011-129
10 CFR 52.3

April 15, 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
1102232 (RAI 5481 Rev. 2) Environmental
Standard Review Plan Section 9.3.1 – 1 Site Selection Process

Reference:

1. NRC Letter to FPL dated March 1, 2011, Environmental Request for Additional Information Letter 1102232 Related to ESRP Section 9.3.1, Site Selection Process for the Combined License Application Review for Turkey Point, Units 6 and 7

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) 9.3.1-1 provided in the referenced letter. 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).

The Enclosure to Attachment 1 contains information regarding the potential locations of historic properties. As such the information has been redacted from this report and is requested to be withheld under the National Historic Preservation Act, 16 U.S.C. 470w-3(b) and 36 CFR 800.11(c).

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

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NRD

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I declare under penalty of perjury that the foregoing is true and correct. I declare under penalty of perjury that the enclosure contains a true and accurate copy of a document submitted to the State Historic Preservation Office, redactions and redaction markings excepted.

Executed on April 15, 2011.

Sincerely,



William Maher
Senior Licensing Director – New Nuclear Projects

WDM/RFO

Attachment 1: FPL Response to NRC RAI No. 9.3.1-1 (RAI 5481 Rev. 2)

Enclosure: *A Phase I Cultural Resource Survey and Assessment of Florida Power & Light Corporation Wind Turbine Parcels, St. Lucie County, Florida (June 2008) [Redacted]*

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

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NRC RAI Letter No. 1102232

ESRP Section: EIS 9.3.1 – Alternative Site Selection Process

Question from Environmental Technical Support Branch (RENV)

NRC RAI Number: 9.3.1-1 (RAI 5481 Rev. 2)

The staff requests the following information to assist in describing the cultural environment for the St. Lucie alternative site. Provide any cultural resources investigation information and reports related to the recent discovery near Old Blind Creek, and the shell midden where 14 Native American burials were discovered. As described during the alternative sites visit on July 13, 2010, this information resulted from archaeologist investigations for a possible wind turbine site. There may have been other sites that were discovered during this investigation that contained artifacts such as pottery. Because this information pertains to work performed at the existing St. Lucie plant site, it should be available in FPL files.

FPL RESPONSE:

Archaeological investigations conducted for a potential wind turbine site comprise the most recent cultural resource surveys conducted on the St. Lucie plant site. These investigations were conducted in January and February 2008 at six separate parcels, which are collectively called the FPL Wind Turbine Parcels. The assessment and results are documented in the report titled *A Phase I Cultural Resource Survey and Assessment of Florida Power & Light Corporation Wind Turbine Parcels, St. Lucie County, Florida* (June 2008). [A copy of this report is enclosed. Information regarding the potential location of historic properties has been redacted from this report, as such information is requested to be withheld under the National Historic Preservation Act, 16 U.S.C. 470w-3(b) and 36 CFR 800.11(c).] The survey identified one previously unrecorded archaeological site (8SL3045), however, this site is not located near Blind Creek; it is referred to as a prehistoric midden site and not a Native American burial mound (refer to Consultant Summary page 1 of the enclosed report).

Numerous cultural resource literature reviews and surveys have been conducted along Blind Creek, north of the St. Lucie plant site, since the late 1960s. The two most recent of these studies were conducted in 2007 and 2008 by the Archaeological and Historic Conservancy, Inc. (AHC) for the St. Lucie County Mosquito Control District. These studies include the following:

- *A Phase I Cultural Resources Assessment Survey of the Blind Creek East Parcel St. Lucie County, Florida*, January 2007 (AHC Technical Report No. 764, AHC Project No. 2006.77) (14038.pdf); and

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- *A Reconnaissance Survey and Monitoring of the Blind Creek West Parcel, St. Lucie County, Florida, February 2008* (AHC Technical Report No. 770, AHC Project No. 2007.04) (15623.pdf).

Additional, older surveys conducted along Blind Creek include the following:

- Letter from Allen R. Saltus, State of Florida Board of Archives and History, to Ross Morrell, State Archaeologist. May 28, 1969. Re: Florida Power and Light Project, Big Mud Creek Survey, in support of original construction of FPL's St. Lucie nuclear power plant. 4 pp. (00600.pdf)
- *Archaeological Sites at Blind Creek, St. Lucie County*. April 1998. Ryan J. Wheeler, C.A.R.L. Archaeological Survey, Bureau of Archaeological Research, Tallahassee, Florida, 9 pp. (5238. pdf)
- *An Archaeological Survey of St. Lucie County, Florida*, September 2000. Jim Pepe, under the direction of Robert Carr, Archaeological and Historical Conservancy, Inc. AHC Technical Report No. 280).182 pp. (6105. pdf)
- *Archaeological Testing of the Blind Creek II Site (8SL44) Located Along State Road A1A North of Intake C1 Bridge #940084 in St. Lucie County, Florida*. May 2004 (revised May 2005). Florida Department of Transportation. Financial Project 10 #230296-1. 42 pp. (12177.pdf)

These reports are archived in the Florida Master Site File database, which is the State of Florida's official inventory of historical cultural resources. They are available to the public and to government agencies, upon request, from the Florida Division of Historical Resources. The Division of Historical Resources requires that all interested parties submit a "Request for Scanned Documents" form prior to releasing the reports. Given the fact that the studies along Blind Creek were conducted for entities other than FPL and the State has set procedures for users to access reports in the Master Site File database, FPL is not providing copies of the Blind Creek related reports with this response and respectfully requests that NRC obtain reports of interest directly from the State in accordance with these procedures.

Contact Information:

Florida Division of Historical Resources (<http://www.flheritage.com>)

Florida Master Site File

Division of Historical Resources/R.A. Gray Building

500 South Bronough St.

Tallahassee, FL 32399-0250

Phone: 850-245-6440 - Fax: 850-245-64391 Email: sitefile@dox.state.fl.us

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This response is PLANT SPECIFIC.

References:

A Phase I Cultural Resources Assessment Survey of the Blind Creek East Parcel St. Lucie County, Florida, January 2007 (AHC Technical Report No. 764, AHC Project No. 2006.77) (14038.pdf)

A Reconnaissance Survey and Monitoring of the Blind Creek West Parcel, St. Lucie County, Florida, February 2008 (AHC Technical Report No. 770, AHC Project No. 2007.04) (15623.pdf)

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Archaeological Testing of the Blind Creek II Site (8SL44) Located Along State Road A1A North of Intake C1 Bridge #940084 in St. Lucie County, Florida. May 2004 (revised May 2005). Florida Department of Transportation. Financial Project ID #230296-1.42 pp. (12177.pdf)

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ASSOCIATED COLA REVISIONS:

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

ASSOCIATED ENCLOSURE:

A Phase I Cultural Resource Survey and Assessment of Florida Power & Light Corporation Wind Turbine Parcels, St. Lucie County, Florida (June 2008) [Redacted]