



L-2011-195
10 CFR 52.3

May 27, 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
First Response to NRC Environmental Request for Additional Information Letter
1104121 (RAI 5589) Environmental Standard Review Plan
Section 9.3 – Alternative Sites

Reference:

1. NRC Letter to FPL dated April 12, 2011, Environmental Request for Additional Information Letter 1104121 Related to ESRP Section 9.3, Alternative Sites, 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) 9.3-5 and 9.3-7 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 response to RAI 9.3-4, 9.3-6, 9.3-8, and 9.3-15 through 9.3-17 will be provided by August 17, 2011. The response to RAI 9.3-3 and 9.3-9 through 9.3-14 will be provided by August 22, 2011.

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 May 27, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read 'William Maher'.

William Maher
Senior Licensing Director – New Nuclear Projects

WDM/RFO

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

DO97
MRO

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Attachment 1: FPL Response to NRC RAI No. 9.3-5 (RAI 5589)
Attachment 2: FPL Response to NRC RAI No. 9.3-7 (RAI 5589)

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 No. 1104121 Dated April 12, 2011

SRP Section: EIS 9.3 – Alternative Sites

Question from Environmental Technical Support Branch

NRC RAI Number: EIS 9.3-5 (RAI 5589)

The ER (p 9.3-88) states that “*The 1130-acre St. Lucie site is an FPL-owned nuclear power generation station...*” Address why this site was not screened out during the initial screening steps when judged against the 2,500-to-3,000 acre minimum screening criterion.

FPL RESPONSE:

The lower bound of the Desired Owner Buffer Area (3,000 acres) was used as a basis for comparing sites, according to the need to acquire additional land and the associated land costs, that FPL did not already own (or owned but determined acreage was insufficient for nuclear development). The availability of 3,000 acres was identified as a guideline in determining potential sites for a nuclear power plant. Thus, the 3,000 acre guideline was not used as an exclusionary criterion or mandatory requirement in determining site feasibility. Accordingly, even though some sites would have required land acquisition for nuclear plant development, no potential sites were screened out solely on the basis of the 3,000 acre guideline.

Existing FPL land ownership at St Lucie was evaluated as being adequate for accommodation of two additional nuclear power plant units. Coupled with the fact that the site could utilize the multiple advantages of having an existing nuclear power plant, it was decided that St. Lucie should be evaluated in more detail at each step of the site screening process.

This response is PLANT SPECIFIC.

References:

None

ASSOCIATED COLA REVISIONS:

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

ASSOCIATED ENCLOSURES:

None

NRC RAI Letter No. 1104121 Dated April 12, 2011

SRP Section: EIS 9.3 – Alternative Sites

Question from Environmental Technical Support Branch

NRC RAI Number: EIS 9.3-7 (RAI 5589)

ER Rev. 2 p 9.3-17 seems to imply that because they are designated for power plant activities, the St. Lucie and Martin sites would not require acquisition of additional land even though the sites are less than 3,000 acres. Identify how many acres are available at the St. Lucie and Martin sites.

FPL RESPONSE:

Actual FPL ownership at the St Lucie and Martin sites is as follows:

St Lucie – approximately 1,130 acres

Martin – approximately 11,300 acres

Taking into account land committed to existing uses, the amount of remaining land available for development of two new nuclear units at each site is as follows:

St. Lucie: approximately 953 acres – based on the acreage currently occupied by the existing Certified Site (177 acres).

Martin: approximately 568 acres – based on the acreage of land currently occupied by the existing power plant, cooling pond, the recently constructed solar thermal plant, and other protected areas that are unavailable for development.

Existing FPL land ownership at both sites was evaluated as being adequate for accommodation of two additional nuclear power plant units.

This response is PLANT SPECIFIC.

References:

None

ASSOCIATED COLA REVISIONS:

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

ASSOCIATED ENCLOSURES:

None