



L-2011-051
10 CFR 52.3

February 9, 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 Request for Additional Information Letter No. 013 (eRAI 5308)
Standard Review Plan Section 02.03.01 - Regional Climatology

Reference:

1. NRC Letter to FPL dated January 11, 2011, Request for Additional Information Letter No. 013 Related to SRP Section 02.03.01 - Regional Climatology for the Turkey Point Nuclear Plant Units 6 and 7 Combined License Application

Florida Power & Light Company (FPL) provides, as an attachment to this letter, its response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) 02.03.01-1 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).

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 February 9, 2011

Sincerely,

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

William Maher
Senior Licensing Director – New Nuclear Projects

Attachment: FPL Response to NRC RAI No. 02.03.01-1 (eRAI 5308)

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

Florida Power & Light Company

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NRC RAI Letter No. PTN-RAI-LTR-013

SRP Section: 02.03.01 - REGIONAL CLIMATOLOGY

Questions from Siting and Accident Consequence Branch (RSAC)

NRC RAI Number: 02.03.01-1 (eRAI 5308)

The following questions and clarifications relate to FSAR Section 2.3.1.3.3, "Tropical Cyclones."

- The text on page 2.3-13 of the PTN COL FSAR states that there have been "53 tropical cyclones centers or storm tracks that have passed within 100 nautical miles of the Turkey Point site during this historical period." However, the following table only totals 50 tropical cyclones (all hurricanes). Please clarify in the FSAR, by either modification of the text or the table, how many tropical cyclone centers have passed within 100 nautical miles of the Turkey Point site.
- Consistent with NUREG-0800, Section 2.3.1, please provide in FSAR 2.3.1.3.3 the annual frequency of hurricanes that have occurred in the vicinity of the Turkey Point site.

FPL RESPONSE:

The text in Section 2.3.1.3.3 will be modified to include the annual frequency and clarify the number of tropical cyclone centers for each designated storm class that have passed within 100 nautical miles of the Turkey Point site. The text in Section 2.5.1.1.2.1.1 will be modified to remove the inconsistent description of Hurricane Andrew as a category 4 storm. The storm event frequencies provided in Table 19.58-201 will be revised in a future COLA revision to provide a consistent designation for the intensity of Hurricane Andrew. See Associated COLA Revisions for the proposed change.

This response is PLANT SPECIFIC.

References:

None

ASSOCIATED COLA REVISIONS:

The second and third sentences and associated table in the third paragraph in FSAR Section 2.3.1.3.3 will be updated in a future revision, as shown below:

This database indicates that 53 tropical cyclone centers or storm tracks (including **which includes 3** extratropical storms) have passed within 100 nautical miles of the Turkey Point site during this historical period. Storm classifications, and respective occurrences **and frequencies** over this 157-year period of record are as follows (Reference 209):

Storm Classification	Occurrences	Frequency (events/yr)
Hurricane – Category 5	3	0.019
Hurricane – Category 4	10	0.064
Hurricane – Category 3	13	0.083
Hurricane – Category 2	8	0.051
Hurricane – Category 1	16	0.102
Extratropical	3	0.019

The second sentence of the last paragraph in FSAR Section 2.5.1.1.1.2.1.1 will be updated in a future revision, as shown below:

As an example, Hurricane Andrew, ~~a category 4 storm~~, impacted the shallow marine environments of south Florida in August, 1992 (References 754, 865, and 866).

ASSOCIATED ENCLOSURES:

None