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JUN 11 2010

L-2010-121

10 CFR 50.90

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

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Revised Meteorological Data for 2005-2009 Supporting Alternative
Source Term and Conforming License Amendment Request 196

References:

- (1) W. Jefferson (FPL) to U.S. Nuclear Regulatory Commission (L-2009-133), "License Amendment Request 196: Alternative Source Term and Conforming Amendment," Accession No. ML092050277, June 25, 2009.
- (2) W. Jefferson (FPL) to U.S. Nuclear Regulatory Commission (L-2009-163), "Transmittal of Meteorological Data CD Supporting Alternative Source Term and Conforming License Amendment Request 196 – Supplemental Information," Accession No. ML100680718, July 21, 2009.
- (3) J. Paige (NRC) to M. Nazar (FPL), "Turkey Point Units 3 and 4 – Request for Additional Information Regarding Request to Adopt the Alternate Source Term (TAC Nos. ME1624 and ME1625)," Accession No. ML100700446, March 24, 2010.
- (4) Email from J. Paige (NRC) to S. Franzone (FPL), Follow-up Requests for Additional Information RE Turkey Point, Unit 3 and 4 AST LAR, Accession No. ML101480750, May 28, 2010.

By letter L-2009-133 dated June 25, 2009 [Reference 1], Florida Power and Light (FPL) requested to amend Facility Operating Licenses DPR-31 and DPR-41 and revise the Turkey Point Units 3 and 4 Technical Specifications (TS). The proposed amendments revise the TS to adopt the Alternative Source Term (AST) as allowed in 10 CFR 50.67.

The meteorological data for 2003-2007 originally used to support the AST License Amendment Request (LAR) was transmitted to the NRC staff by letter dated July 21, 2009 [Reference 2]. Subsequent NRC review of this meteorological data has resulted in questions regarding the quality of the data as submitted for this period [References 3, 4]. Based on its further evaluation of this data, FPL has decided to revise the meteorological data set to include more recent meteorological data from years 2008-2009 that was not previously available to support its AST LAR.

ADD
NRK

Enclosed is a compact disc (CD) titled "Turkey Point LAR 196, Meteorological Data, FPL letter L-2010-121," that includes Turkey Point Units 3 and 4 meteorological data encompassing the five year period from January 2005 through December 2009. The data is provided in two different formatted ASCII files. The Format 1 files contain the hourly meteorological data after quality verification and reformatting of the data for input to ARCON96. The Format 2 files contain the hourly meteorological data formatted in accordance with Appendix A to RG 1.23, Rev 1 and NUREG-0917. Note that for this second format the applicable stability class (1 - 7) has been added to the last (unused) field in this data file to facilitate NRC's review of the data. This stability class is derived from the indicated ΔT between the 10M and 60M elevations, with a preference toward using the Channel "A" instruments. In addition, documentation of meteorological data substitutions made during the 2005-2009 time period is provided on the attached CD. This information on data substitution will also be included in FPL's response to the Request for Additional Information received from NRC on May 28, 2010 [Reference 4].

The attachment to this letter provides the list of the files contained on the enclosed CD.

In accordance with 10 CFR 50.91(b)(1), a copy of this letter is being forwarded to the State Designee of Florida.

This submittal does not alter the significant hazards consideration or the environmental assessment previously submitted by FPL letter L-2009-133 [Reference 1].

This letter contains no new commitments and no revisions to existing commitments.

Should you have any questions regarding this submittal, please contact Mr. Robert J. Tomonto, Licensing Manager, at (305) 246-7327.

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

Executed on June 11, 2010.

Very truly yours,



Michael Kiley
Site Vice President

Turkey Point Nuclear Plant

Attachment

cc: USNRC Regional Administrator, Region II
USNRC Project Manager, Turkey Point Nuclear Plant
USNRC Resident Inspector, Turkey Point Nuclear Plant
Mr. W. A. Passetti, Florida Department of Health

Turkey Point Meteorological Data CD File List

File Name	File Size	File Type
MET DATA – ARCON96 DATA*		
2005		
TP05-NAIQA.met	317 KB	MET FILE
2006		
TP06-NAIQA.met	317 KB	MET FILE
2007		
TP07-NAIQA.met	317 KB	MET FILE
2008		
TP08-NAIQA.met	318 KB	MET FILE
2009		
TP09-NAIQA.met	317 KB	MET FILE
2005-2009		
TPALL-NAIQA.met	1,584 KB	MET FILE
MET DATA – NRC TAPE DATA**		
2005		
TP05-NAIQA-Converted.NRC	1,387 KB	NRC FILE
2006		
TP06-NAIQA-Converted.NRC	1,387 KB	NRC FILE
2007		
TP07-NAIQA-Converted.NRC	1,387 KB	NRC FILE
2008		
TP08-NAIQA-Converted.NRC	1,391 KB	NRC FILE
2009		
TP09-NAIQA-Converted.NRC	1,387 KB	NRC FILE
2005-2009		
TPALL-NAIQA-Converted.NRC	6,934 KB	NRC FILE
Turkey Point Substitutions 2005-2009-NAI.doc	11,473 KB	Microsoft Word

*ARCON96 Formatted Wind Speeds in miles per hour

**NRC Tape Formatted in meters per second