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SUBJECT: Provides probabilistic safety assessment update.

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U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
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Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Probabilistic Safety Assessment Update

In response to Generic Letter 88-20, "Individual Plant Examination for Severe Accident Vulnerabilities," by letter L-91-184 dated June 25, 1991, Florida Power & Light Co. (FPL) submitted the results of the Individual Plant Examination (IPE) for Severe Accident Vulnerabilities for Turkey Point Units 3 and 4. The IPE results for Turkey Point calculated a Core Damage Frequency (CDF) of $1.0\text{E}-04$ per reactor-year. (Note, the CDF of $9.85\text{E}-05$ per reactor-year was rounded up to $1.0\text{E}-04$.) In FPL letter L-95-154 issued June 7, 1995, an updated CDF of $6.63\text{E}-05$ per reactor-year was reported.

In December 1995, the Turkey Point Probabilistic Safety Assessment (PSA) model was updated to reflect modifications and plant specific operating experience, to implement modeling improvements, and to incorporate PSA application insights. While not all the changes reduced the CDF, the net effect of the changes resulted in a reduction in the calculated CDF for Turkey Point Units 3 and 4. The current PSA model calculates a CDF of $6.30\text{E}-05$ per reactor-year, which represents approximately a five percent reduction from the CDF of $6.63\text{E}-05$ per reactor-year reported previously.

Should there be any questions on this subject, please contact us.

Very truly yours,

Robert J. Hovey
Vice President
Turkey Point Plant

OIH

cc: S. D. Ebnetter, Regional Administrator, Region II, USNRC
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