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 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

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SUBJECT: Forwards response to NRC 921014 request that util revisit 920625 IPE PRA submittal & revise analyses, as appropriate, to consider impact of Hurricane Andrew on configuration & sys, per GL 88-20.

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U. S. Nuclear Regulatory Commission  
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Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
IPE for External Events (Generic Letter 88-20)  
TAC Number (M83687 and M74482)

By letter dated October 14, 1992, the staff requested Florida Power & Light Company (FPL) revisit the June 25, 1991, Individual Plant Examination Probabilistic Risk Assessment (IPE PRA) submittal and revise the analyses, as appropriate, to consider the impact of Hurricane Andrew on the plant configuration and systems. In response to this request, the attached is provided.

If you have any questions, please contact us.

Very truly yours,

T. F. Plunkett  
Vice President  
Turkey Point Nuclear

TFP/RJT/rt

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

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**REVIEW OF THE TURKEY POINT IPE AFTER HURRICANE ANDREW**

The following is submitted in response to the NRC request to revisit the Turkey Point Individual Plant Examination Probabilistic Risk Assessment (IPE PRA) following Hurricane Andrew.

FPL has reviewed the Turkey Point PRA and has determined that the only impact on the IPE was the removal of the hightower (available for fire protection) from the plant design. Turkey Point's PRA was re-evaluated with the hightower removed (with credit being taken for the newly-installed diesel-powered service water pump). The results indicate a small change in the base line PRA core melt probability from  $9.35 \times 10^{-5}$  to  $9.55 \times 10^{-5}$ .

In addition to the review of the IPE analysis for the impact of Hurricane Andrew, the hurricane analysis was also reviewed for additional insights to be gained from the experience of Hurricane Andrew. The wind hazards risk is decreased since the Turkey Point Unit 1 fossil stack was replaced and the Turkey Point Unit 2 fossil stack is being reinforced (with the reinforcement scheduled to be completed before the start of the 1993 hurricane season, i.e., by June 1, 1993). FPL believes that additional hurricane analyses would not change the conclusions of the June 1991 IPE submittal. A beyond design basis hurricane flood surge-induced blackout continues to be the dominant vulnerability. However, as a result of the lessons-learned with respect to this IPE-identified vulnerability, FPL had upgraded the Emergency Procedures prior to Hurricane Andrew. FPL continues to revise its Turkey Point Emergency Procedures as additional insights are gained and corrective measures identified.

Based on the above discussion, revisions to Turkey Point's IPE PRA due to post-hurricane plant configuration changes are complete. FPL has not identified a need to further refine the Turkey Point hurricane analysis since the predominant vulnerabilities remain unchanged and have been addressed by revisions to the plant's hurricane preparation and response procedures.

