UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

NOV 22 1989

Docket Nos. 50-250
and 50-251

Mr. J.H. Goldberg
Executive Vice President
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

Dear Mr. Goldberg:

SUBJECT: TURKEY POINT DESIGN VALIDATION INSPECTION (50-250 AND 50-251/89-203)

This letter conveys the results and conclusions of the Design Validation Inspection (DVI) of the Turkey Point Nuclear Power Plant, Units 3 and 4. The inspection was performed at both the Turkey Point site and the Nuclear Engineering offices at Juno Beach during the periods of September 11-15, September 25-29, and October 12-13, 1989. The inspection report is enclosed.

The purpose of the inspection was to assess the effectiveness of the actions that Florida Power and Light Company has implemented as part of the Turkey Point Performance Enhancement Program (PEP) Project 4 on configuration control. The inspection team performed a Safety System Functional Inspection (SSFI) on three systems to review the implementation of the PEP actions.

The inspection team concluded that the facility exhibited a weakness by confining its Design Basis Documentation (DBD) verification effort to the system level aspects only. Numerous errors were identified by the inspection team with respect to the component level information.

The team had additional concerns with the multiple instances in which seismic and anchorage analyses were not available to substantiate the adequacy of major components in the component cooling water system. The team also found errors in the electrical and piping calculations which indicate the need to implement the planned essential calculations program and to perform more thorough technical verification of the output calculations. Some operating procedures were found in error with respect to valve lineup configuration. Based on the identified design output document and design interface control problems, the team concluded that greater technical oversight is needed on the part of Florida Power and Light with respect to contractor work products.

On a positive note, the team found that maintenance initiatives, such as the analysis-based preventive maintenance program, yielded beneficial results and the system level DBDs were deemed well prepared.

Region II will determine if any of the identified issues require enforcement action and will notify you under separate correspondence. In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the Public Document Room.

You are requested to respond to this office within 60 days to inform us of the actions taken related to the designated items identified in this report and the date by which these actions will be available for followup inspection. Should you have any questions concerning this inspection, please contact me or Mr. Robert Gramm (301-492-0991).

Sincerely,

Original signed by

Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:
1. NRC Inspection Report 50-250 and 50-251/89-203

cc: See next page

Distribution: See page 4

Document Name: TURKEY REPORT

*See previous concurrence

M. Burton 11/21/89

OFC	:RSIB:DRIS:NRR	:RSIB:DRIS:NRR	:RSIB:DRIS:NRR	:D:DRIS:NRR	:DIR:DRP:NRR	:
NAME	:RAGramm*	:EVImbro*	:WDLanning*	:BKGrimes*	:SAVarga	:
DAT	11/16/89	:11/16/89	:11/19/89	:11/21/89	:11/22/89	:

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NAME	RAGramm*	EVImbro*	WDLanning*	BKGrimes	SAVarga
DATE	11/16/89	11/16/89	11/19/89	11/21/89	11/ /89

HEEdison 11/21/89

You are requested to respond to this office within 60 days to inform us of the date by which actions related to all the items identified in this report will be available for followup inspection. Should you have any questions concerning this inspection, please contact me or Mr. Robert Gramm (301-492-0991).

Sincerely,

Steven A. Varga, Director
Division of Reactor Projects I/II
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