

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

SUBJECT: Responds to violations noted in insp repts 50-250/98-05 & 50-251/98-05. Corrective actions: section 9.3 & App 14D of TPS UFSAR were extensively revised as part of rev 13 update & FPL implemented design basis reconstitution program. .

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FPL

JUL 27 1998

L-98-185  
10 CFR 2.201

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

Re: Turkey Point Units 3 & 4  
Docket Nos. 50-250/251  
Reply to a Notice of Violation 98-05-01

Florida Power & Light Company has reviewed the subject notice of violation and, pursuant to 10 CFR 2.201, the required response is attached.

If there are any questions, please contact us.

Very truly yours,

T. F. Plunkett  
President  
Nuclear Division

CLM

Attachment

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

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## REPLY TO A NOTICE OF VIOLATION

RE: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
NRC Inspection Report 98-05  
Notice of Violation 98-05-01

"During an NRC inspection conducted on February 11, to March 23, 1996, a violation of NRC requirements was identified. In accordance with the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, the violation is listed below:

10 CFR 50.71(e) requires that licensees update the Final Safety Analysis Report (UFSAR) periodically, on a frequency of annually or six months after each refueling outage provided the interval between successive updates does not exceed 24 months. The revision must reflect all changes up to a maximum of six months prior to the date of filing. The revision submittal shall contain all the changes necessary to reflect information and analyses submitted to the NRC or prepared by the licensee per NRC requirements.

Contrary to the above, as of March 23, 1996, an important design basis parameter of the spent fuel pool system as revised by License Amendment Nos. 111 and 105, issued on November 21, 1984, was not incorporated into the UFSAR as follows: the UFSAR does not reflect the calculated decay heat load associated with a full core off-load. This value was calculated as 35 million BTU/hour in the licensee's October 5, 1984, letter which was submitted to support issuance of Amendment Nos. 111 and 105.

This is a Severity Level IV violation (Supplement I)."

### RESPONSE TO FINDING

1. FPL concurs with the violation.



2. Reason for the violation:

FPL failed to include the maximum calculated decay heat and calculated maximum spent fuel pool temperature parameters for the full core off-load case in the Turkey Point Units 3 and 4 UFSAR when revising the UFSAR for replacement of the spent fuel storage racks.

These parameters were calculated and provided, in response to NRC requests for additional information, by FPL Letters L-84-165 (dated July 2, 1984), and L-84-264 (dated October 5, 1984), as supplements to the proposed license amendment safety analysis and no significant hazards consideration for the rerack project.

FPL submitted the proposed license amendment for the spent fuel storage facility (rerack amendment) by Letter L-84-71, dated March 14, 1984. This submittal included the supporting safety analysis which followed the guidance of the NRC position paper entitled, "OT Position for Review and Acceptance of Spent Fuel Storage and Handling Applications," dated April 14, 1978. Upon NRC approval of Amendment Nos. 111/105 to increase the storage capacity of the Turkey Point spent fuel pools, FPL prepared the UFSAR update for the plant modification. The safety analysis submitted by letter L-84-71 was used exclusively to prepare the update. The supplemental information provided in letters L-84-165 and L-84-264 regarding the full core off-load was overlooked and not integrated into the UFSAR update.

The oversight is considered to be a personnel error caused by the engineering organization contracted to update the UFSAR, following implementation of the revised spent-fuel rack design in 1986.

3. Corrective steps which have been taken and the results achieved:

- a) Section 9.3 and Appendix 14D of the Turkey Point UFSAR were extensively revised as part of the Revision 13 update. The discrepancies identified in Inspection Report 96-02 were corrected. Revision 13 of the Turkey Point UFSAR was submitted to the NRC by FPL letter L-96-248, dated October 7, 1996.
- b) Starting in 1985 and continuing until 1989, FPL implemented a design basis reconstitution program for selected safety related and non-safety related systems at Turkey Point. The output of this process was the issuance of the Turkey Point Design Basis Documents (DBDs) in 1989. The DBDs have since been periodically updated on approximately the same frequency as the UFSAR. Since 1989, FPL has made improvements to the overall UFSAR updating process to enhance its accuracy. As part of these improvements, each engineering design change or stand-alone safety evaluation is required to address the impact on the UFSAR as part of the engineering change process, and include proposed changes to the



UFSAR with the issuance of each design change package, as applicable. These changes have provided a comprehensive mechanism for inserting change information into the UFSAR.

- c) In 1997, a review was conducted to assess the adequacy of the programmatic controls in use to maintain the plant licensing basis. The review was performed using the approach outlined in NEI 96-05, "Guidelines for Assessing Programs for Monitoring the Licensing Basis." No programmatic weaknesses were identified as a result of this review.
  - d) As described in FPL letter L-97-143, FPL has undertaken a multi-discipline review of the UFSAR to identify and correct remaining discrepancies. This review is expected to be complete by October 18, 1998.
  - e) In accordance with the UFSAR updating process, correspondence between FPL and the NRC is reviewed to ensure that changes in plant design bases, design criteria, restrictions, and other licensing commitments as documented in NRC related correspondence are captured in the UFSAR updates.
4. Corrective actions which will be taken to prevent further violations:
- a) Items 3b), 3c), 3d), and 3e) above describe the corrective actions that have been taken, and are being taken, to prevent recurrence of the condition identified in this notice of violation.
  - b) To address the potential generic implications of a failure to capture amended design information into the UFSAR, a sample population of FPL submittals made in response to NRC Request for Additional Information (RAIs) will be reviewed. The review will focus on those RAIs submitted prior to 1985, when the programmatic changes described in item 3b) were started.
5. The date when full compliance was or will be achieved:

Full compliance was achieved on October 7, 1996, when FPL letter L-96-248 transmitted Revision 13 of the Turkey Point UFSAR to the NRC in accordance with 10 CFR 50.71(e). That revision included all of the supplemental information generated by the 1984 rerack license amendment. It also resolved the various discrepancies identified in Inspection Report 96-02. As of Revision 13, the UFSAR includes all the information and parameters that support the 1984 rerack license amendment (including full core off-load) as discussed in the notice of violation and in this reply.

