

May 2, 2000

Mr. Thomas F. Plunkett  
President - Nuclear Division  
Florida Power and Light Company  
P.O. Box 14000  
Juno Beach, Florida 33408-0420

SUBJECT: TURKEY POINT PLANT, UNITS 3 AND 4 - COMPLETION OF LICENSING ACTION FOR GENERIC LETTER 98-02, "LOSS OF REACTOR COOLANT INVENTORY AND ASSOCIATED POTENTIAL FOR LOSS OF EMERGENCY MITIGATION FUNCTION WHILE IN A SHUTDOWN CONDITION" (TAC NOS. MA4811 AND MA4812)

Dear Mr. Plunkett:

On May 28, 1998, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 98-02 to all holders of operating licenses for Pressurized Water Reactors (PWR), except those who have permanently ceased operations, and have certified that fuel has been permanently removed from the reactor vessel. The NRC issued GL 98-02 to request that PWR licensees evaluate a September 17, 1994, event, which occurred at Wolf Creek, which had the potential to draindown the reactor coolant system (RCS) to the refueling water storage tank (RWST) and, at the same time, render the emergency core cooling system (ECCS) and residual heat removal (RHR) system inoperable by introducing a steam/water mixture to the suction side of the ECCS and RHR pumps. Addressees of GL 98-02 were requested to provide the following information within 180 days: (1) an assessment of whether the addressee's facility is vulnerable to the September 17, 1994, Wolf Creek event, and (2) if the facility is found to be vulnerable, an assessment of the plant-specific 10 CFR Part 50, Appendix B, quality assurance program attributes which will prevent the subject event. If the addressee's facility was determined to be vulnerable, a response to information item (1) was to be provided pursuant to 10 CFR 50.54(f) and 10 CFR 50.4, and the responses to information items (1) and (2) were to be kept in a licensee's retrievable system for use by the NRC staff on an as-needed basis.

In response to GL 98-02, you provided a letter dated November 16, 1998, for Turkey Point Units 3 and 4. The submittal indicated that Turkey Point Units 3 and 4 were vulnerable to the type of incident which occurred at Wolf Creek and further indicated that the plant evaluation concerning the subject vulnerability (information item (2) of GL 98-02), was being kept in a retrievable licensee system that the NRC can verify on an as-needed or sample basis, in accordance with GL 98-02.

By letter dated April 18, 2000, Region II NRC staff issued NRC Inspection Report 50-250/00-02, 50-251/00-02. This report contained details of the NRC inspector's on-site verification of activities which you undertook in response to GL 98-02 for Turkey Point Units 3 and 4. Specifically, the inspector verified implementation of selected activities during the Unit 3 outage. During RHR cooling, the inspector independently verified valve and motor-operated valve (MOV) breaker positions in the field, and valve and breaker position indication in the control

room. In addition, the inspector's review of recent Reactor Operator (RO) training records verified that the licensee included training on Outage Risk Assessment relating to this generic issue. The training included review of NRC Information Notice 95-03 which described the Wolf Creek event. During the Unit 3 shutdown, when RHR cooling was in effect, the inspector discussed this generic issue with two recently-licensed ROs in the control room overseeing the cooldown activities of the unit. The inspector found that the operators were knowledgeable with the generic issue. The inspector reviewed the scheduling of MOV testing and found that the Outage Risk Assessment team recommended scheduling of RHR MOV work only during the time when there was no fuel in the core. This further reduced the risk of RCS draindown and RWST voiding. The inspector verified no RHR MOV work was performed during hot shutdown. No outstanding issues were identified as a result of the inspector's actions.

The NRC staff has reviewed your response to GL 98-02 and has concluded that (1) all the information requested by GL 98-02 has been provided and (2) that your on-site activities adequately addressed the concerns of GL 98-02 for Turkey Point Units 3 and 4. Therefore, we consider GL 98-02 to be closed for Turkey Point 3 and 4.

Sincerely,

*/RA/*

Kahtan N. Jabbour, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

cc: See next page

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The NRC staff has reviewed your response to GL 98-02 and has concluded that (1) all the information requested by GL 98-02 has been provided and (2) that your on-site activities adequately addressed the concerns of GL 98-02 for Turkey Point Units 3 and 4. Therefore, we consider GL 98-02 to be closed for Turkey Point 3 and 4.

Sincerely,

**/RA/**

Kahtan N. Jabbour, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

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**TURKEY POINT PLANT**

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