

March 27, 2000

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

SUBJECT: ST. LUCIE PLANT, UNITS 1 AND 2, RE: 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. MA4808 AND MA4809)

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 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 22, 1998, for St. Lucie Plant, Units 1 and 2. The submittal indicated that both Units 1 and 2, 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 December 13, 1999, the Region II NRC staff issued NRC Inspection Report No. 50-335/99-07; 50-389/99-07. The subject inspection report contained details of the NRC staff's on-site verification of activities which you undertook in response to GL 98-02 for St. Lucie, Units 1 and 2. Specifically, the inspector verified that St. Lucie had effectively

implemented administrative controls and operating procedures to preclude an inadvertent drain down event as described in GL 98-02. Operator Training Lesson Plan 0802208, Outage Tasks and Outage Related Events, was revised to include a review of GL 98-02 and the drain down flow paths that had been identified for each unit. Training was provided to the operators using the revised lesson plan to understand the susceptible flow paths, and the administrative and operational controls in place to minimize the potential for human factor contributors to the initiation of a drain down event. The above measures were found by the inspector to be appropriate.

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 St. Lucie, Units 1 and 2; therefore, we consider GL 98-02 to be closed for St. Lucie, Units 1 and 2.

Sincerely,

*/RA/*

William C. Gleaves, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-335 and 50-389

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 St. Lucie, Units 1 and 2; therefore, we consider GL 98-02 to be closed for St. Lucie, Units 1 and 2.

Sincerely,

**/RA/**

William C. Gleaves, Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

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Mr. T. F. Plunkett  
Florida Power and Light Company

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