

**Florida
Power**

CORPORATION
Crystal River Unit 3
Docket No. 50-302

March 27, 1992
3F0392-07

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: NUREG-0737, Item III.D.3.4, "Control Room Habitability"

Reference A: NRC to FPC letter dated February 17, 1982
B: FPC to NRC letter dated January 13, 1987
C: Licensee Event Report dated January 9, 1986
D: FPC to NRC letter dated June 30, 1987
E: NRC to FPC letter dated May 25, 1989

Dear Sir:

The purpose of this correspondence is to provide information concerning the status of requirements associated with NUREG-0737, Item III.D.3.4, "Control Room Habitability." This letter documents that all actions on this item were complete as of May 1989 and therefore the item may be closed out. This NUREG item was originally dispositioned by the NRC as complete as stated in a Safety Evaluation Report in February, 1982, Reference A. However, Florida Power Corporation notified the NRC in January, 1987, Reference B, of an error in our previous submittal concerning the control complex positive pressure capability. In addition, a Licensee Event Report, Reference C, was submitted in January, 1986 which identified that the proximity of a sulfur dioxide storage tank and the quantity stored in combination with the design configuration of the control complex did not provide adequate protection to the Crystal River Unit 3 (CR-3) operators during certain tank accident scenarios.

Florida Power Corporation performed evaluations on both problems, and a revised control room habitability report was submitted to the NRC in June, 1987, Reference D, which provided additional corrective actions. Based on the referenced licensee letters and other related submittals, the NRC issued a second Control Room Habitability Evaluation Report in May, 1989, Reference E, which concluded that the current CR-3 control room habitability design meets the

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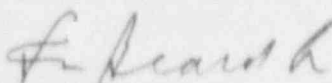
criteria identified in NUREG-0737, Item III.D.3.4, and is, therefore, acceptable. Three items were identified in this evaluation as necessary to complete the control complex envelope work at Crystal River Unit 3.

1. Construction of a concrete dike around the sulfur dioxide tank at Crystal River Units 1 and 2;
2. Installation of two anticipatory detectors at the sulfur dioxide tank with alarms to the Crystal River Units 1, 2 and 3 control rooms, with control logic to isolate the Unit 3 control complex, and;
3. Changes to plant procedures to reflect the system changes.

These items are complete. The concrete dike around the sulfur dioxide tank at Crystal River Units 1 and 2 was completed in June, 1987. The two detectors at the tank with their associated alarms and interlocks were functional in January, 1988, and plant procedures were revised to reflect the system changes in November, 1987. In addition, Amendment No. 115 to Crystal River Unit 3's Operating License was received in May, 1989 which provided Technical Specifications on the toxic gas monitors for the control complex.

Based on the evaluation provided in Reference E and the information contained herein, Florida Power Corporation considers the requirements of Item III.D.3.4 of NUREG-0737 to be met.

Sincerely,


P. M. Beard, Jr.
Senior Vice President
Nuclear Operations

PMB/REF:ff

xc: Regional Administrator, Region II
Senior Resident Inspector
NRR Project Manager