Florida Power
CORPORATION

Crystal River Unit 3
Docket No 50-302

October 1, 1990
3F1090-01

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

Subject: Relocation of Safety-Related Instrumentation Due To Reactor Building Flooding

Reference: FPC to NRC letter, dated June 15, 1990

Dear Sir:

The purpose of this letter is to inform the NRC of the option selected for permanent resolution of the Reactor Building (RB) flood level issue. The referenced letter described the problem of safety-related instrumentation which could be below the Reactor Building flood level resulting from a design basis LOCA. The referenced letter also described the interim resolution for this issue which relies on operator action to control RB flood level to preclude submerging safety-related instrumentation.

As the permanent solution, Florida Power Corporation (FPC) will relocate all safety-related instrumentation not qualified for submergence to areas above the 102 ft. elevation of the RB. Analyses to resolve the RB flood level issue have shown this elevation to be the maximum that flood water can reach in a postulated design basis LOCA with maximum Technical Specification volumes in the various emergency core cooling system tanks.

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FPC is currently performing the design and detail planning to complete the relocation of the instrumentation by the end of Refuel 8 (subject to material availability and ability to construct within a normal outage schedule). The relocation of over 40 circuits within the RB may require more time within the RB than a single outage will permit. Detailed planning will be completed in the 1991 mid-cycle outage. At this point, FPC should be in a much better position to determine if completion in Refuel 8 is achievable. Refuel 8 is presently scheduled to begin in October 1992. FPC will notify the NRC of any schedule changes.

Sincerely,

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

PMB/JWT

xc: Regional Administrator, Region II
Senior Resident Inspector