

**Florida  
Power**  
CORPORATION

February 27, 1985  
3F0285-24

Director of Nuclear Reactor Regulation  
Attention: Mr. Hugh L. Thompson, Jr., Director  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Crystal River Unit 3  
Docket No. 50-302  
Operating License No. DPR-72  
NUREG-0737, Item II.K.3.5  
Automatic Trip of Reactor Coolant Pumps

Dear Sir:

This submittal is in response to NRC letter dated February 8, 1983, "Resolution of TMI Action Item II.K.3.5, Automatic Trip of Reactor Coolant Pumps" (Generic Letter No. 83-10f). Florida Power Corporation has completed the analysis and has determined the required reactor coolant system pressure and subcooling margin temperature setpoints to trip the reactor coolant pumps during transients.

The B&W Owners Group produced two documents relative to this project. The first provided analytical justification for the new trip setpoint ("Generic Error Analysis and Setpoint Determination", B&W document number 77-1148304-01). The second described a technique for determining the setpoint based on instrument error ("TSAT Error Calculation", B&W document number 51-1153690-00).

The resultant Crystal River Unit 3 calculations are as follows:

RCS Pressure  $> 1500$  psig and subcooling  $< 20^{\circ}\text{F}$ .  
RCS Pressure  $\leq 1500$  psig and subcooling  $< 50^{\circ}\text{F}$ .

The scheduled date for implementation of these procedure change is prior to Mode 4 entry, following Refuel V. These changes will be coordinated with other changes due to modifications installed during the outage. FPC will no longer require that the reactor coolant pumps be tripped when the HPI actuation pressure (1500 psig) is reached.

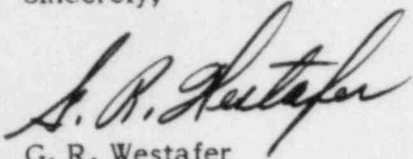
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February 27, 1985  
3F0285-24  
Page 2

This effort completes the requirements of the NRC letter dated February 8, 1983 and NUREG-0737, Item II.K.3.5.

Sincerely,



G. R. Westafer  
Manager, Nuclear Operations  
Licensing and Fuel Management

EMG/feb

cc: Dr. J. Nelson Grace  
Regional Administrator, Region II  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
101 Marietta Street N.W., Suite 2900  
Atlanta, Ga. 30323