



September 3, 1981

File: 3-0-1-a  
#3-091-01

Mr. John F. Stolz, Chief  
Operating Reactors Branch #4  
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  
Rupture Matrix Signals

Dear Mr. Stolz:

Enclosed are forty (40) copies of the report "Evaluation of Reactivity Response For a Steam Line Break Event With Unterminated Emergency Feedwater Flow." This report provides an analysis which demonstrates that a return to criticality will not occur. No changes to the Technical Specifications or the FSAR are required. This report satisfies the final concerns with respect to our June 2, 1980, submittal, "Evaluation of Steam Line Break Consequences Associated With Removal of Rupture Matrix Signals From Emergency Feedwater Valves," and Commitment Item 51 in Enclosure B of our May 2, 1980 submittal. This report also satisfies the final concern of not isolating emergency feedwater via the rupture matrix stated in Florida Power Corporation's response to Question 1 of I.E. Bulletin 80-04. Florida Power Corporation requests concurrence by October 15, 1981, as stated in our response to I.E. Bulletin 80-04, to remove valves FWV-161 and FWV-162 from the rupture matrix actuation logic. A substantial improvement in secondary cooling reliability can be achieved by removing the automatic actuation of these valves.

In letters dated June 18, 1980, and July 30, 1980, the NRC informed Florida Power Corporation that the evaluation of our June 2, 1980, submittal was subject to the requirements of 10 CFR 170.22, and requested a Class III fee

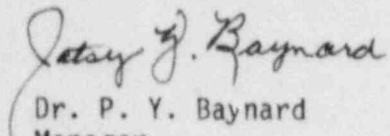
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of \$4,000. Then in a telephone conversation on July 31, 1980, between Mr. P. Erickson of the NRC, and Mr. R. Bright of Florida Power Corporation, the payment of \$4,000 was agreed to be provided when Florida Power Corporation submitted the final analysis. Enclosed is a check for \$4,000.

Sincerely,

  
Dr. P. Y. Baynard

Manager  
Nuclear Support Services

Enclosure

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