



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 12, 1979

NRC PDR

Docket No. 50-302

Mr. W. P. Stewart
Director, Power Production
Florida Power Corporation
P. O. Box 14042, Mail Stop C-4
St. Petersburg, Florida 33733

Dear Mr. Stewart:

Condition 2.C.(7) of the Crystal River Unit No. 3 (CR 3) Operating License (DPR-72) requires that you modify, to the satisfaction of the Commission, the reactor coolant system flow indication to meet the single failure criterion with regard to pressure sensing lines to the flow differential pressure transmitters.

By letter dated October 28, 1977 you provided a single failure evaluation of the subject sensing lines and proposed instrumentation that would alarm in the event of sensing line blockage. It is our understanding that you do not intend to qualify this instrumentation as is required for the reactor protection system. Furthermore you did not propose Technical Specification operability and surveillance requirements for this instrumentation.

It is our position that a satisfactory modification to the RC flow sensing system, for single failure considerations, would be the installation of a redundant set of sensing lines (one high pressure and one low pressure) for each reactor coolant loop. These sensing lines would serve two of the four existing differential pressure transmitters and should connect to the existing sensing lines immediately downstream of the first root valve off the reactor coolant loop. The piping run of the new sensing lines should be physically separated from the existing lines.

You are requested to inform us within ten days from the date of this letter whether you intend to pursue your proposed modification, installation of additional sensing lines as discussed

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Mr. W. P. Stewart

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above or some other means of addressing the license condition.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robert W. Reid". The signature is fluid and cursive, with the first and last names being more prominent than the middle initial.

Robert W. Reid, Chief
Operating Reactors Branch #4
Division of Operating Reactors

cc: See next page

Florida Power Corporation

cc: Mr. S. A. Brandimore
Vice President and General
Counsel
P. O. Box 14042
St. Petersburg, Florida 33733

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