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DESCRIPTION (Must Be Unclassified)

50-302
POSSIBLE SIGNIFICANT DEFICIENCY IN THE HYDRAULIC PERFORMANCE OF THE REACTOR BUILDING SPRAY SYSTEM.

ENCLOSURES

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S. T 3/1/76

REMARKS

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U. S. NUCLEAR REGULATORY COMMISSION MAIL CONTROL FORM FORM NRC 3265 (1-76)

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Florida Power
CORPORATION

February 16, 1976

Mr. John Davis, Acting Director
Directorate of Regulatory Operations
U. S. Nuclear Regulatory Commission
Washington, D.C. 20545

Subject: Docket No. 50-302

Dear Mr. Davis:

As a follow-up to our letter of June 17, 1975, regarding the "possible" significant deficiency in the hydraulic performance of the reactor building spray system, we wish to provide you with this update.

We performed a series of performance tests on the subject system and a transient analysis was run of the borated water storage tank draw down. This analysis has confirmed that a design deficiency in the reactor building spray system did exist and that the deficiency was, in fact, a reportable deficiency pursuent to 10 CFR 50.55(e).

It was determined that four valves; BSV-9, 10, 67 & 68, which are spring loaded stop check valves, have excessive pressure drop relative to the required system operation. These valves will be replaced with conventional swing check valves with a lesser design pressure drop. An analysis has been performed which indicates the system, with the specified modification, will perform as designed in accordance with Crystal River Unit 3 FSAR.

The corrective action, although significant to the system performance, is considered a minor change because of the predictability of valve properties by industry standards.

As in previous cases, the analysis is available at the Crystal River Unit 3 plant site for further I&E review.

Very truly yours,

J. T. Rodgers
Assistant Vice President

JTR:ldh

cc: Mr. Norman C. Moseley
Director, Region II

60149