Florida
Power
CORPORATION
Crystal River Unit 3
Docket No. 50-302

May 8, 1996
3F0596-14

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Correction of Information on Reactor Coolant Pump Oil Collection System

Reference: A. NRC to FPC letter, 3N0993-22, dated September 10, 1993
B. FPC to NRC letter, 3F0394-13, dated March 28, 1994
C. NRC to FPC letter, 3N1094-13, dated October 7, 1994

Dear Sir:

The purpose of this letter is to correct information provided by Florida Power Corporation (FPC) in Reference B. In Reference A, the NRC solicited information regarding FPC's request for exemption to the oil collection system requirements of 10 CFR 50 Appendix R, Section III.O. Specifically, NRC Request 4 asked for information to quantify the magnitude of a possible reactor coolant pump motor oil fire problem, including ventilation flow rates through the reactor coolant pump cubicles. FPC responded that, "The air flow through the 'D' rings is by convective force only. There is no installed forced air ventilation system." This is incorrect in that the reactor building steam generator cooling system supplies forced ventilation to the 'D' rings below the reactor coolant pump motors. This error was discovered during a review of correspondence associated with the exemption request.

The steam generator cooling system supplies approximately 30,000 cubic feet per minute of air to each 'D' ring through ventilation ducts around the inside perimeter of the 'D' rings. The duct discharge registers are located approximately 16 feet above the reactor building floor (at elevation 95 feet). The reactor coolant pump motor bases are located approximately 45 feet above the floor. Air flows upward through the 'D' rings and escapes from the open top of the compartments. Based on a cross sectional area of approximately 1230 square feet for each 'D' ring, and approximately 50% obstruction due to equipment, the vertical air velocity is estimated to be roughly 50 feet per minute.

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The NRC granted FPC the requested exemption in Reference C. No specific mention was made of the absence of forced ventilation in evaluating the safety aspects of the exemption. Due to the low ventilation flow rate and the absence of any cross flow to cause dispersion of oil, the presence of the steam generator cooling system does not represent a significant contributor to fire severity. Therefore, FPC considers that the original evaluation of the safety aspects of the exemption remain valid.

Sincerely,

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

PMB/SCP:ff

xc: Regional Administrator, Region II
NRR Project Manager
Senior Resident Inspector