

**Florida
Power**
CORPORATION

April 30, 1984
3F0484-24

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
NPDES Permit Change Requested of Environmental Protection Agency

Dear Sir:

Florida Power Corporation hereby submits a copy of a request filed with the Environmental Protection Agency concerning the temperature limits as set forth in the NPDES permit. This submittal is made in accordance with Crystal River Unit 3 Technical Specifications, Appendix B, Part II, Section 3.2.

If there are any questions concerning this submittal, please contact this office.

Sincerely,

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

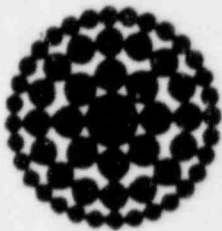
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Attachments

cc: Mr. J. P. O'Reilly
Regional Administrator, Region II
Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta Street N.W., Suite 2900
Atlanta, GA 30303

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**Florida
Power**
CORPORATION

April 24, 1984

Mr. Paul J. Traina, Director
Water Division
U. S. Environmental Protection Agency
345 Courtland Street, N. E.
Atlanta, GA 30365

HAND DELIVERED

Subject: Crystal River Units 1, 2, & 3
NPDES Permit No. FL0000159
Condenser delta-T

Dear Mr. Traina:

On May 29, 1981, November 4, 1981 and March 1, 1982, Florida Power Corporation requested a modification to the condition in Part 1.A. of the subject permit limiting the temperature rise across the Unit 3 condenser. In response to those requests your agency granted temporary relief from the delta-T limitation for Unit 3 on June 17, 1981, December 11, 1981 and April 1, 1982. The last relief expired on July 29, 1982. Relief was not requested in 1983 because the unit was operating with three reactor coolant pumps rather than the normal four and could not generate at a power level anywhere near the delta-T restriction.

Florida Power has received permission from the NRC to increase the reactor power level of Unit 3 from 2452 MWt to 2544 MWt, an increase of 3.75%. At this new power level, the 17.5°F limit cannot always be met. Without relief from the delta-T limitation, the output of Unit 3 is restricted with the result that the lost electrical generation from this nuclear unit must be replaced by more costly generation from other units. In the month of January 1984, this restriction cost our rate payers an estimated \$950,000. During the summer months the losses will be much larger.

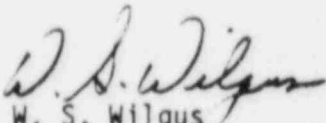
We have evaluated the various operating conditions and reactor power levels for Unit 3, and in order that we not have to limit electrical generation from this nuclear unit we respectfully request a change to the delta-T limit in the NPDES permit. The following alternatives, in order of preference, are offered for your consideration:

1. Delete the Unit 3 condenser delta-T limit from the permit.
2. Change the Unit 3 delta-T limit from 17.5°F to 21.0°F.

Mr. Paul J. Traina, Director
April 24, 1984
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Relief from the Unit 3 delta-T limit would allow Florida Power the flexibility to operate Units 1, 2, and 3 in such a manner as to keep the customers' bills as low as possible and still protect the environment. It is understood that the 103°F/106°F thermal limits at the POD would still be in full force and effect.

With summer peakload demands coming, it is prudent that we seek relief from this load-limiting condition on Unit 3. We would appreciate your expeditious response to this request for relief from this provision.


W. S. Wilgus
Vice President
Nuclear Operations

WSW:lb

cc: Ms. Victoria Tschinkel, FDER