



**Florida  
Power**

CORPORATION  
Crystal River Unit 3  
Docket No. 50-302  
Operating License No. DPR-72

November 15, 2000  
3F1100-02

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Report Required by Environmental Protection Plan

Dear Sir:

The Crystal River Unit 3 (CR-3) Environmental Protection Plan (EPP), Appendix B of the CR-3 Operating License establishes reporting requirements related to the National Pollutant Discharge Elimination System (NPDES) Permit. Section 3.2.4 of the EPP requires that NRC be provided with copies of proposed changes to the NPDES permit.

FPC has requested a minor revision of the NPDES permit to allow a continued use of biocide, scale inhibitor, and antifoaming agents in the air compressor evaporative coolers. The attached letter to the State of Florida Department of Environmental Protection (DEP) provides the information on the requested changes.

There are no new regulatory commitments made in this submittal.

If you have any questions regarding this submittal, please contact Mr. Sid Powell, Manager, Nuclear Licensing at (352) 563-4883.

Sincerely,

R. E. Grazio  
Director, Nuclear Regulatory Affairs

REG/smg

Attachment

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

COO1

**FLORIDA POWER CORPORATION  
CRYSTAL RIVER UNIT 3  
DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72**

**ATTACHMENT**

**NPDES PERMIT NUMBER FL0000159 - LETTER AMENDMENT**



File: CR Nuclear NPDES

Cc: Steve Garry

November 9, 2000

Mr. Michael Hatcher  
Industrial Wastewater Section  
Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Dear Mr. Hatcher:

Re: Toxicity Testing Results for Minor Permit Revision  
Florida Power Corporation (FPC) Crystal River Unit 3  
NPDES Permit Number FL0000159

On August 19, 1999 FPC requested an amendment to the NPDES permit to allow use of biocides, scale inhibitor and anti foaming additives in the Crystal River Unit 3 Evaporative Coolers. On September 14, 1999 your Department authorized the interim use of the additives with associated toxicity testing requirements. FPC has completed the third and final toxicity test (see attached results). The tests resulted in a 100% survival rate for *M. bahia* and *M. beryllina*.

FPC requests the Department's authorization for continued use of the additives in the Crystal River Unit 3 air compressor evaporative coolers.

Please contact me 727-826-4283 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Kent D. Hedrick", is written over a faint, larger version of the same signature.

Kent D. Hedrick, P/E.  
Manager, Environmental Programs

Attachment

## Synopsis of Routine Bioassays for Florida Power Corporation

To comply with the biomonitoring requirements of the Florida Department of Environmental Protection (FDEP) Permit number FL0000159, personnel from the Florida Power Corporation Crystal River Plant, Crystal River, Florida collected a single grab effluent sample at Outfall D-0F on October 8, 2000. This sample was received at the Gainesville, Florida laboratory in good condition on October 9, 2000 and bioassays were initiated the same day.

Using the sample collected from outfall D-0F, two 96-hour acute static renewal screen bioassays were conducted with the mysid shrimp (*Mysidopsis bahia*) and the inland silverside (*Menidia beryllina*). Concentrations for these tests were 0 (control) and 100 percent effluent. The final survivals for both species are summarized below:

Collection Date & Time	Sample ID Number	<i>M. bahia</i> Final Survival (%)	<i>M. beryllina</i> Final Survival (%)
Control	NA	100	100
10/8/00-0615	00076A	100	100

These bioassays were initiated within 36 hours of the final sample's collection time, and were acceptable tests based on control survival and test conditions.