



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

Ref: CR-3 ITS Appendix B

March 7, 2001
3F0301-04

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

Subject: Report Required by Environmental Protection Plan

Dear Sir:

In accordance with the conditions of the National Pollutant Discharge Elimination Permit, Florida Power Corporation submitted a report to the Florida Department of Environmental Protection on February 9, 2001. The report summarized a bypass of treatment event that occurred during an application of biocide (Clam-Trol) to the Crystal River Unit 3 (CR-3) raw water system. The attached copy of this report is being submitted in accordance with the CR-3 Environmental Protection Plan, Appendix B of the CR-3 Operating License.

If you have any questions regarding this submittal, please contact Mr. Sid Powell, Supervisor, Licensing and Regulatory Programs at (352) 563-4883.

Sincerely,

Sherry L. Bernhoft
Manager Regulatory Affairs

SLB/jal

Attachment

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

C 001



February 9, 2001

Mr. Jeff Hilton
Industrial Wastewater Section
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Dear Mr. Hilton:

Re: Florida Power Crystal River Unit 3
NPDES Permit Number FL0000159
Clamtrol Bypass Summary

Per your request, this letter provides a summary of the above referenced event.

On January 31, 2001, I reported to Sam Wajeesh by telephone a bypass of treatment that occurred during an application of Clamtrol. This letter provides additional information relating to this event.

An application of Clamtrol was initiated on January 30, 2001 at 9:30 a.m. on the raw water cooling system that ultimately outfalls via discharge D-OF as permitted by the facilities NPDES permit. This system has two flumes (A & B flumes) both of which outfall at D-OF. Flume B was being treated with this application. Facility operating procedures require the isolation of flume A from flume B during treatment to prevent Clamtrol from entering flume A. Upon completion of the 18 hour treatment, it was discovered that flume A was not isolated. The Clamtrol entering flume A bypassed the clay injection point necessary to detox any residual Clamtrol prior to discharging out D-OF.

A total of 410 pounds of Clamtrol and 3500 pounds of detox clay were added during this treatment. As indicated above, some portion of the 410 pounds of Clamtrol flowed into flume A. All of the detox clay was added to flume B. A sufficient amount of detox clay was added to fully react with all remaining Clamtrol residual. Since these flumes outfall at the same location (i.e. D-OF) in the discharge canal and sufficient clay was added to fully detox all residual Clamtrol, any residual Clamtrol that was discharged from flume A would be detoxed upon mixing with the discharge from flume B. Visual inspection of the discharge canal found no adverse impact from this event. The on-site manufacture's representative further indicated his belief that no impact occurred based on the very low residual concentration of Clamtrol believed present in flume A at the point of discharge (i.e. approx. 1 ppm) and the excess detox clay present in the discharge of flume B.

The cause of this event has been determined to be procedure usage error. To prevent a reoccurrence, each shift of unit operators has met with Operations management to review this event and re-emphasize proper procedure use protocol. A written training package to reinforce

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procedure usage is being reviewed by all Operations staff. In addition, each pre-job review meeting held prior to each application will incorporate a review of the proper valve alignment necessary to isolate the flumes.

I hope this provides the information you need to complete your review of this event. Please call me at 727-826-4283 with any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Kent D. Hedrick". The signature is fluid and cursive, with a large initial "K" and "H".

Kent D. Hedrick, PE
Manager, Environmental Programs