



**Florida  
Power**

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

December 23, 1999  
3F1299-11

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 3.2.1 of the EPP requires that violations of the NPDES permit be reported to the NRC. A violation of the NPDES permit occurred on November 10, 1999, during a permitted condensate wastewater discharge. The violation is described in the attached addendum to the November 1999 NPDES Monthly Discharge Report submitted to the Florida Department of Environmental Protection.

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

Sincerely,

*Sid Powell* For S.L.B.

S.L. Bernhoft  
Director, Nuclear Regulatory Affairs

SLB/smg

Attachment

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

COOL

**ADDENDUM 1**  
**Crystal River Units 1, 2 & 3**  
**NPDES Permit FL0000159-001-IW1S**  
**November 1999**

The NPDES permit establishes limits and monitoring requirements for wastewater discharges for both internal and external outfalls into the discharge canal and the Gulf of Mexico. The November wastewater discharges have complied with the external outfall (identified as D-OF) discharge limits. However, a Crystal River Unit 3 condensate wastewater discharge exceeded the internal outfall limit for oil and grease concentrations.

Prior to the start of a condensate wastewater discharge on November 10, 1999, a pre-release oil and grease sample analysis was performed. The pre-release sample analysis indicated that compliance with the NPDES permit limits would be achieved for the planned discharge. Subsequently, a feedwater pump oil seal failed. This allowed oil to flow into the gland seal return line and then into the condensate system. The condensate discharge was started based on the pre-release sample results and the belief that the oil and grease limits were being met. However, the subsequent daily monitoring sample indicated a 46.7 mg/L oil and grease concentration. This exceeds the daily maximum permit limit of 20 mg/L.

The NPDES permit requires that when the internal oil and grease limit is exceeded, additional monitoring must be performed at the external outfall D-OF. This additional monitoring is performed to demonstrate compliance with the external outfall discharge limit of 5 mg/L applicable to the discharge canal and the Gulf of Mexico. This sample was taken and the result was determined to be within the NPDES permit limit.

The condensate wastewater discharge was terminated on November 10, 1999, after a confirmation of elevated oil and grease concentrations. Subsequent investigation determined the cause of the elevated oil and grease concentrations to be failure of the feedwater pump oil seal. The oil and grease were removed from the condensate prior to completing the condensate discharge.