



Progress Energy

Crystal River Nuclear Plant
Docket No 50-302
Operating License No DPR-72

Ref: ITS Appendix B

March 6, 2003
3F0303-06

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

Subject: Crystal River Unit 3 – Revision to National Pollutant Discharge Elimination System (NPDES) Permit

- References:
1. Minor Permit Revision – Reduction of Analysis Frequency for Oil and Grease and Total Dissolved Solids at EFF7-B – Florida Power Industrial Wastewater Permit FL0000159 dated March 21, 2002
 2. Response to Request for Additional Information to Minor Permit Revision – Reduction of Analysis Frequency for Oil and Grease and Total Dissolved Solids at EFF7-B – Florida Power Industrial Wastewater Permit FL0000159 dated June 21, 2002
 3. Permit Revision (Minor) – Wastewater Permit FL0000159 – Florida Power-Crystal River Power Plant Units 1, 2 and 3 – Wastewater Permit FL0000159 dated January 29, 2003

Dear Sir:

In accordance with the Environmental Protection Plan (Non-Radiological) Technical Specifications for Crystal River Unit 3 (CR-3), Section 3.2.3, Progress Energy Florida, Inc. hereby provides notification of a change to the National Pollutant Discharge Elimination System (NPDES) Permit recently approved for CR-1/2 and CR-3 by the State of Florida, Department of Environmental Protection (FDEP).

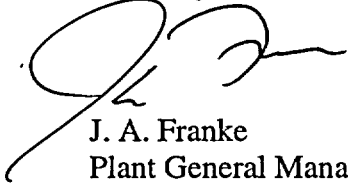
In Reference 1, Florida Power Corporation, now doing business as Progress Energy Florida, Inc., submitted an application to FDEP requesting a minor revision of Wastewater Permit FL0000159 for reduction of the monitoring frequency for oil and grease and total suspended solids at sampling point EFF-7B. The response to a request for additional information was provided to FDEP by letter dated June 21, 2002 (Reference 2). By letter dated January 29, 2003 (Reference 3), which was postmarked and received on February 25, 2003 and February 28, 2003, respectively, Progress Energy Florida, Inc. received the FDEP approval to the requested minor permit revision (Attachment).

Progress Energy Florida, Inc
Crystal River Nuclear Plant
15760 W. PowerLine Street
Crystal River, FL 34428

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If you have any questions regarding this submittal, please contact Mr. Michael Shrader at (727) 826-4050 or Mr. Pete Ezzell at (352) 563-4778.

Sincerely,

A handwritten signature in black ink, appearing to be 'J. A. Franke', written over a horizontal line.

J. A. Franke
Plant General Manager

JAF/PFE/ff

Attachment

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

PROGRESS ENERGY FLORIDA, INC.

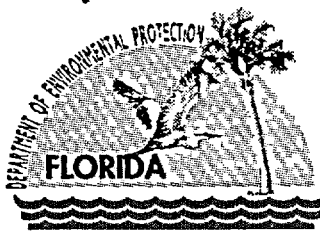
CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302 / LICENSE NUMBER DPR-72

ATTACHMENT

PERMIT REVISION (MINOR)

**Wastewater Permit FL0000159
Florida Power-Crystal River Power Plant Units 1, 2 and 3
Wastewater Permit FL0000159**



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

January 29, 2003

Mr. Daniel L. Roderick
Director Site Operations
Crystal River Nuclear Plant
15760 W. Powerline Street
Crystal River, Florida 34428

RE: Permit Revision (Minor)
Wastewater Permit FL0000159
Florida Power -Crystal River Power Plant Units 1, 2 and 3
Wastewater Permit FL0000159

Dear Mr. Roderick:

The Department received your application on June 25, 2002 requesting a minor revision of Wastewater Permit FL0000159 for reduction of the monitoring frequency for oil and grease and total suspended solids at sampling point EFF-7B, discharged to waters of state via Outfall D-0F. The monitoring frequency for oil and grease and total suspended solids will be reduced from 1/Day during discharge to 1/Week during discharge. The Department hereby approves the request pursuant to Rules 62-620.200(24) and (25), and 62-620.325, F.A.C. A draft minor permit revision was issued on September 9, 2002 and a notice of intent to issue a minor permit revision was issued on November 25, 2002.

Attach this letter to Wastewater Permit FL0000159 and insert the revised pages and DMR (enclosed) into the Permit. All conditions of the Permit shall remain in effect except as revised herein. Any party to this order (permit) has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

"More Protection, Less Process"

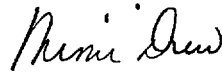
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Wastewater permit revision (minor)
Florida Power – Crystal River Units 1, 2 and 3
Wastewater permit FL0000159

Page 2 of 2

If you have any questions about this permit revision, please contact Allen Hubbard in the Industrial Wastewater Section at (850) 245-8592.

Sincerely,



Mimi Drew
Director
Division of Water Resource Management

Copies furnished to:

Yanisa Angulo- DEP Tampa

PERMITTEE:

Florida Power
 Crystal River Power Plant
 Unit 1, 2, & 3
 Post Office Box 14042
 St. Petersburg, Florida 33733

PERMIT NUMBER: FL0000159REV.*A
ISSUANCE DATE: January 8, 1999
EXPIRATION DATE: January 7, 2004
APPLICATION NO.: FL0000159-001-IW1S

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*Changes are denoted as underline.

4. During the period beginning on the effective date of this permit and lasting through expiration, the permittee is authorized to discharge from outfall D-0F [formerly (OSN) 006] - Nuclear Services and Decay Heat Seawater System effluent [includes outfall I-FE (formerly 003) - Laundry and Shower Sump Tank (LSST) and I-FG (formerly OSN 007) - SDT-1, effluent from the Evaporator Condensate Storage Tank (ECST), and effluent from the Condensate System (CD)] to the site discharge canal thence the Gulf of Mexico.
- a. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	Daily Maximum	Daily Average	Measurement Frequency	Sample Type	Sample Point
Intake Flow, MGD	Report	Report	Hourly	Pump Logs	INT-7A
Oil and Grease, mg/l (CD and ECST)	20	15	1/Week	Grab	EFF-7B
Oil and Grease, mg/l (D-0F)	5.0 ¹		1/Day of Discharge	Grab	EFF-7
ECST Flow, MGD	Report	Report	1/Day of Discharge	Recorded Calculation	EFF-7B
CD System Flow, MGD	Report	Report	1/Day of Discharge	Recorded Calculation	EFF-7B
Total Suspended Solids, mg/l (CD and ECST)	100.0	30.0	1/Week	Grab	EFF-7B
Total Suspended Solids, mg/l (D-0F)	100.0 ²	30.0	1/Day of Discharge	Grab	EFF-7
Total Recoverable Copper, μ g/l	2.9 ³	Report	1/Day of Discharge	Grab	EFF-7
Total Recoverable Iron, μ g/l	300.0 ³	Report	1/Day of Discharge	Grab	EFF-7
Total Iron, lbs/MG of Metal Cleaning Waste (MCW) generated	Report ³	8.345 ⁴	1/Day of Discharge	Grab	EFF-7B
Total Copper, lbs/MG of Metal Cleaning Waste (MCW) generated	Report ³	8.345 ⁴	1/Day of Discharge	Grab	EFF-7B

¹ Monitoring requirements are only applicable if the discharge from I-FE and I-FG (formerly OSNs 003 and 007), the CD discharge or the ECST (following adequate mixing) exceeds the daily maximum limitation of 20.0 mg/l or a minimal dilution rate of 4 to 1 is not achieved

² Monitoring requirements only applicable if the discharge from I-FE and I-FG, the CD discharge or the ECST (following adequate mixing) exceeds the daily maximum limitation of 100.0 mg/l or a minimal dilution rate of 4 to 1 is not achieved

³ Limitations and monitoring requirements for total iron of MCW, total copper of MCW, total recoverable copper and total recoverable iron are applicable only on any calendar day in which metal cleaning waste is discharged in the effluent from I-FG the Evaporator Condensate Storage Tank and/or the Condensate System.

⁴ Limitations apply to the effluents from outfall I-FG, ECST and the Condensate System

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO: Department of Environmental Protection

Wastewater Facilities Mgmt, MS 3551

2600 Blair Stone Rd, Tallahassee FL 32399-2400

PERMIT NUMBER: FL0000159

Revision Date: 2/19/99

PERMITTEE NAME: Florida Power Corporation

MONITORING PERIOD--From:

To

MAILING ADDRESS: P. O. Box 14042

LIMIT: Final

REPORT: Monthly

St Petersburg, Florida 33733

CLASS SIZE: Major

GROUP: IW

FACILITY: Crystal River – Units 1, 2, & 3

GMS ID NO.: 1037M25518

GMS TEST SITE NO.:

LOCATION: US Highway 19 & Powerline Road, Crystal River, Florida 32629

DISCHARGE POINT NUMBER: D-0F

COUNTY: Citrus

(formerly OSN 006)

NO DISCHARGE FROM SITE: ☐

PLANT SIZE/TREATMENT TYPE:

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, Intake	Sample Measurement										
STORET No 50050 7 Mon Site No INT-7A	Permit Requirement	Report Dly Avg	Report Dly Max	MGD						Hourly	Pump Logs
Oil and Grease (CD and ECST)	Sample Measurement										
STORET No 00556 1 Mon Site No EFF-7B	Permit Requirement					15.0 Dly Avg	20.0 Dly Max	mg/l		1/Week	Grab
Oil and Grease (D-0F) (See (1) in Comments)	Sample Measurement										
STORET No 00556 P Mon. Site No. EFF-7	Permit Requirement						5.0 Dly Max	mg/l		1/Day of Discharge	Grab
Flow, ECST	Sample Measurement										
STORET No 50050 P Mon Site No INT-7B	Permit Requirement	Report Dly Avg	Report Dly Max	MGD						1/Day of Discharge	Recorded Calculation
Flow, CD System	Sample Measurement										
STORET No 50050 Q Mon Site No. INT-7B	Permit Requirement	Report Dly Avg	Report Dly Max	MGD						1/Day of Discharge	Recorded Calculation
Total Suspended Solids (CD an ECST)	Sample Measurement										
STORET No 00530 1 Mon. Site No EFF-7B	Permit Requirement					30.0 Dly Avg	100.0 Dly Max	mg/l		1/Week	Grab
Total Suspended Solids (D-0F) (See (2) in Comments)	Sample Measurement										
STORET No 00530 P Mon Site No EFF-7	Permit Requirement					30.0 Dly Avg	100.0 Dly Max	mg/l		1/Day of Discharge	Grab

Statement of Basis
For
Minor Permit Revision

Permit Number: FL0000159

Permit Writer: Bala Nori

Application Date: June 21, 2002

Application No: FL0000159-008-IWB

Name and Address of Applicant:

Florida Power
Post Office Box 14042
St. Petersburg Beach, Florida 33733

Crystal River Plant
Units 1, 2 and 3
15760 W. Powerline Street
Crystal River, FL 34428

The Department received a minor revision application from Florida Power dated June 21, 2002, requesting a reduction in monitoring frequency for Oil and Grease, Total Suspended Solids (at sampling Point EFF-7B) discharged to waters of State via outfall D-0F under the referenced permit.

The Department approves the reduction in monitoring frequency of Oil & Grease, Total Suspended Solids based on the application and on information provided by the applicant in response to the Department's request for additional information as follows:

- 1) The facility provided monitoring data for the period from 1/1/99 to 5/3/02 for Oil & Grease, and Total Suspended Solids, which are summarized as follows:

For Oil and Grease:

Average concentration in the Evaporator Condensate Storage Tank (ECST) prior to release into service water :3.8mg/l

For Total Suspended Solids:

Average concentration in the ECST prior to release into service water:1.0mg/l

Frequency of discharge from ECST to the service water system is once every 2.3 days or approximately 3 discharges each week.

- 2) Based on the guidance memorandum provided by EPA titled "Interim Guidance for Performance Based Reduction of NPDES Permit Monitoring Frequencies", and dated April 19, 1996 the frequency of monitoring for Oil & Grease, Total Suspended Solids has been reduced from 1/Day of Discharge to 1/Week. The guidance memorandum indicates the ratio of long term average to monthly average is less than 25 percent, the monitoring frequency can be reduced from 3/week to 1/week for Oil and Grease, Total suspended Solids.