



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

06/10/05

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

John J. Hunter
Progress Energy Florida
Post Office Box 14042
St. Petersburg, FL 33733-4042

**RE: Hines Energy Complex
Modification to Conditions of Certification
DEP Case Number PA 92-33F
OGC Case Number 05-1077**

ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Hunter:

On December 3, 2003, Progress Energy Florida ("PEF"), formerly known as Florida Power Corporation ("FPC"), submitted a request for modification of site certification for the Hines Energy Complex, PA92-33. The requested modification would allow for a reduction of sampling parameters to the Department.

The Department has reviewed the modification request and subsequent supplemental information submittals. On or before April 29, 2005 all parties to the certification proceeding were provided with notice by certified mail of the Department's intent to modify the Conditions of Certification for this facility, along with a copy of the proposed Order Modifying Conditions of Certification. Additionally, on April 29, 2005, notice of the Department's intent to modify the Conditions of Certification for this facility was published on the Department's internet home page at <http://www.dep.state.fl.us/> under the link or button titled "Official Notices." Those notices specified that pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, Florida Administrative Code ("F.A.C."), all parties to the certification proceeding have 45 days from the issuance of notice by mail to such party's last address of record in which to file a written objection to the modification; that any person who is not already a party to the certification proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice in the Florida Administrative Weekly or on the Department's Website to object in writing; that failure to act within the time frame constitutes a waiver of the right to become a party; and that the Department

will issue an Order Modifying the Conditions of Certification for this facility if no written objections are received by the Department.

No objections to the modification have been received by the Department. The Conditions of Certification for the Hines Energy Complex are hereby modified as follows:

XVIII. GROUNDWATER

A. Groundwater Monitoring Plan

1-8. No change

9. Based on four consecutive sampling quarters having been completed the wells shall be sampled QUARTERLY for the parameters listed below. Additional samples, wells and parameters may be required based upon subsequent analyses.

PRIMARY STANDARDS	
PARAMETERS	UNITS
Nitrate (as N)	Mg/L
Nitrite (as N)	Mg/L
Sodium	Mg/L
Turbidity	NTU
Cyanide (as CN)	Mg/L
Antimony	Mg/L
Arsenic	Mg/L
Barium	Mg/L
Beryllium	Mg/L
Cadmium	Mg/L
Chromium	Mg/L
Lead	Mg/L
Mercury	Mg/L
Nickel	Mg/L
Selenium	Mg/L
Thallium	Mg/L
Benzene	Mg/L
Fecal Coliform	cts/100 ml
Carbon tetrachloride	Mg/L
1,2-Dichloroethane	Mg/L
Trichloroethylene	Mg/L
Para-Dichlorobenzene	Mg/L

1,1-Dichloroethylene	Mg/L
Cis-1,2-Dichloroethylene	Mg/L
1,2-Dichloropropane	Mg/L
Ethylbenzene	Mg/L
Monochlorobenzene	Mg/L
o-Dichlorobenzene	Mg/L
Styrene	Mg/L
Toluene	Mg/L
Trans-1,2-Dichloroethylene	Mg/L
Xylenes (total)	Mg/L
Dichloromethane	Mg/L
1,2,4-Trichlorobenzene	Mg/L
1,1,2-Trichloroethane	Mg/L
Polychlorinated biphenyl (PCB)	Mg/L
Tetrachloroethylene	Mg/L
1,1,1-Trichloroethane	Mg/L
Vinyl chloride	Mg/L
SECONDARY STANDARDS	
Foaming Agents	Mg/L
Chloride	Mg/L
Total Dissolved Solids (TDS)	Mg/L
PH*	std. units
Color*	Color units
Fluoride (as F)	Mg/L
Aluminum	Mg/L
Copper	Mg/L
Iron	Mg/L
Manganese	Mg/L
Silver	Mg/L
Zinc	Mg/L
Sulfate	Mg/L
OTHERS	
Temperature*	°C
Total Organic Carbon (TOC)	Mg/L
Specific Conductance*	µmhos/cm
Water Level (NGVD)*	Feet
Dissolved Oxygen (minimum)	Mg/L
Ammonia (as N)	Mg/L
Ammonia (as NH ₄)	Mg/L
Vanadium (as valence of +5)	Mg/L
Calcium	Mg/L
Magnesium	Mg/L

Potassium	Mg/L
Bicarbonate	Mg/L
EPA 601/602 analytes	Mg/L
ACID EXTRACTABLES	
Pentachlorophenol**	mg/L
BASE EXTRACTABLES	
Butyl benzyl phthalate	Mg/L
Di-n-butylphthalate	mg/L
Diethylphthalate	mg/L
Dimethylphthalate	mg/L
Dioctylphthalate	mg/L

*field measurement

**The parameter pentachlorophenol is a federal and state regulated volatile organic compound with a maximum contaminant level (MCL) of 0.001 mg/L (1ug/L).

The results shall be sent to the DEP's Technical Support Section, Southwest District office.

10. - 11. No Change

12. Ground water sampling shall be reported on the Monitoring Report Forms, hereby incorporated as Attachment F [DEP Form 62-1.216(2)620.910(10)]. In order to facilitate entry of this data into the state computer system, these forms or an exact replica must be used and must not be altered as to content. The original copies should be retained so that necessary information is available to properly complete future reports. The report forms received from the laboratory must be submitted within 30 days of receipt of written request from the Department. PEF may submit the ground water sampling report in an electronic format (e.g., by telephone modem, removable disk, removable tape or removable drive) upon written authorization from the Department.

13-18. No Change

Any party to the this Order has a right to seek judicial review of it pursuant to Section 120.68, Florida Statutes by filing a Notice of Appeal, pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, 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 from the date this Order is filed with the Clerk of the Department of Environmental Protection.

Hines Energy Complex
Order Modifying Conditions of Certification
DEP Case Number PA 92-33F
June 10, 2005

Executed in Tallahassee, Florida.

Hamilton S. Oven

Hamilton S. Oven, P.E.

Administrator, Siting Coordination Office

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.

Denise Cunningham 6-10-05
Clerk Date

CC by U.S. mail:

Jamie Althouse, Esquire
Ross Stafford Burnaman, Esquire
Scott Goorland, Esquire
Lawrence D. Harris, Esquire
Joseph Jarrett, Esquire
Martha Moore, Esquire
Colin Roopnarine, Esquire
Norman White, Esquire
Sheauching Yu, Esquire
Doug Roberts, Esquire

CC by electronic mail:

Tim Parker
Yanisa Angulo
Tommy Oneal
Kelli Ford

Attachment F [DEP Form 62-620.910(10)]

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period

From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWB-1

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		Report	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		Report	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		Report	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		Report	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		Report	MG/L	Single Sample	Quarterly				
Color	00080		Report	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		Report	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		Report	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		Report	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-1 (Background)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWB-1

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

[illegible]

Description: IMW-1 (Background)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained: _____

Monitoring Location Site Number: MWC-2

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-2

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period

From: _____

To:

Date Sample Obtained:

Monitoring Location Site Number: MWC-2

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

[illegible]

Description: IMW-2

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-3

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-3

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-3

Well Type:

Ground Water Class:

Was the well pumped before sampling? Yes No

[illegible]

Description: IMW-3

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period

From: _____

To: _____

Date Sample Obtained: _____

Monitoring Location Site Number: MWC-4

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-4

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-4

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

[illegible]

Description: IMW-4

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex
 Permit Number: FLA187348
 County:
 Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____
 Monitoring Location Site Number: MWC-5
 Well Type:
 Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-5

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-5

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

[illegible]

Description: IMW-5

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex
 Permit Number: FLA187348
 County:
 Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____
 Monitoring Location Site Number: MWC-6
 Well Type:
 Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: IMW-6

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-6

Well Type:

Ground Water Class:

Was the well pumped before sampling? Yes No

[illegible]

Description: IMW-6

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From: _____

To: _____

Date Sample Obtained:

Monitoring Location Site Number: MWC-1F

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Statistical Base Code	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	Single Sample	Quarterly				
Pentachlorophenol	39032		1	UG/L	Single Sample	Quarterly				
Specific Conductance	00095		Report	UMHO/CM	Single Sample	Quarterly				
Oxygen, Dissolved (DO)	00300		Report	MG/L	Single Sample	Quarterly				
Coliform, Fecal	74055		Report	#/100 ML	Single Sample	Quarterly				
Sulfate, Total	00945		250	MG/L	Single Sample	Quarterly				
Arsenic, Total Recoverable	00978		0.010	MG/L	Single Sample	Quarterly				
Sodium, Total Recoverable	00923		160	MG/L	Single Sample	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Single Sample	Quarterly				
Color	00080		15	PT-CO	Single Sample	Quarterly				
Iron, Total Recoverable	00980		0.3	MG/L	Single Sample	Quarterly				
Aluminum, Total Recoverable	01104		0.2	MG/L	Single Sample	Quarterly				
Manganese, Total Recoverable	11123		0.05	MG/L	Single Sample	Quarterly				
Temperature (C), Water	00010		Report	DEG.C	Single Sample	Quarterly				
Carbon, Total Organic (TOC)	00680		Report	MG/L	Single Sample	Quarterly				

Description: FMW-1

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D DRAFT

Facility Name: Progress Energy- Hines Energy Complex

Permit Number: FLA187348

County:

Monitoring Period From:

To:

Date Sample Obtained:

Monitoring Location Site Number: MWC-1F

Well Type:

Ground Water Class:

Was the well pumped before sampling? ☐ Yes ☐ No

[illegible]

Description: FMW-1

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions as well as the SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.