



## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTINEZ CENTER  
2600 BLAIRSTONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Jonathan P. Steverson  
Secretary

Sent by E-mail to:

([jonathan.napoli@fpl.com](mailto:jonathan.napoli@fpl.com))

In the Matter of an  
Application for Permit by:

Florida Power & Light Company (FPL)  
Jonathan Napoli  
Plant General Manager  
6000 N. U.S. Highway 1  
Cocoa, Florida 32927

Brevard County  
Cape Canaveral Energy Center (CCEC)  
NPDES Permit No. FL0001473  
PA File No. FL0001473-017-IW1S

### NOTICE OF PERMIT

Enclosed is Permit Number FL0001473 to operate the Cape Canaveral Energy Center, issued under Chapter 403, Florida Statutes.

Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

Any party to this order (permit) has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 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 30 days from the date when this document is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

A handwritten signature in blue ink, reading "Elsa A. Potts".

Elsa A. Potts, P.E.  
Program Administrator  
Industrial Wastewater Program  
Division of Water Resource Management

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

Shirley Shields 5/13/2016  
Clerk Date

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this DOCUMENT AND ATTACHMENTS and all copies were mailed before the close of business on 5/13/2016 to the listed persons.

Shirley Shields 5/13/2016  
Name Date

Enclosure

Certified copies furnished by email to:

EPA Region 4 ([r4npdespermits@epa.gov](mailto:r4npdespermits@epa.gov))  
Karrie-Jo Shell, Power Plant NPDES Permits, EPA Region 4 ([shell.karrie-Jo@epamail.epa.gov](mailto:shell.karrie-Jo@epamail.epa.gov))  
Chairman, Board of Brevard County Commissioners ([D2.Commissioner@brevardcounty.us](mailto:D2.Commissioner@brevardcounty.us))  
FWC, Conservation Planning Services ([fwcconservationplanningservices@myfwc.com](mailto:fwcconservationplanningservices@myfwc.com))  
Jim Valade, U.S. Fish and Wildlife Service ([jim\\_valade@fws.gov](mailto:jim_valade@fws.gov))  
Meghna Pandya, Florida Power and Light Company ([meghna.pandya@fpl.com](mailto:meghna.pandya@fpl.com))  
Susan Mazur, Florida Power and Light Company ([susan.mazur@fpl.com](mailto:susan.mazur@fpl.com))  
Tim Powell, P.E., Florida Power and Light Company ([timothy.powell@fpl.com](mailto:timothy.powell@fpl.com))  
Dennise Judy, DEP Orlando ([Dennise.Judy@dep.state.fl.us](mailto:Dennise.Judy@dep.state.fl.us))  
David Smicherko, DEP Orlando ([David.Smicherko@dep.state.fl.us](mailto:David.Smicherko@dep.state.fl.us))

**STATE OF FLORIDA  
INDUSTRIAL WASTEWATER FACILITY PERMIT**

**PERMITTEE:**  
Florida Power & Light Company (FPL)

**RESPONSIBLE OFFICIAL:**  
Mr. Jonathan Napoli  
Plant General Manager  
6000 N US Highway 1  
Cocoa, Florida 32927

**PERMIT NUMBER:** FL0001473 (Major)  
**FILE NUMBER:** FL0001473-017-IW1S  
**ISSUANCE DATE:** May 13, 2016  
**EXPIRATION DATE:** May 12, 2021

**FACILITY:**

Cape Canaveral Energy Center (CCEC).  
6000 N US Highway 1  
Cocoa, Florida 32927  
Brevard County  
Latitude: 28°28' 6.1" N Longitude: 80°45' 54.72" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**FACILITY DESCRIPTION:**

The Cape Canaveral Energy Center (CCEC) consists of a nominal 1,250 MW natural gas-fueled combined cycle unit (Unit 3). CCEC Unit 3 consist of three nominal 250 MW combustion turbine-electrical generators, three supplementary-fired heat recovery steam generators (HRSG) with selective catalytic reduction (SCR), and one common nominal 500 MW steam-electrical generator. CCEC Unit 3 uses ultra-low sulfur distillate fuel oil as backup fuel.

**WASTEWATER TREATMENT:**

Once-through condenser cooling water (OTCW) and auxiliary equipment cooling water (AECW) are chlorinated followed by dechlorination prior to discharge. Metal cleaning wastewater and reverse osmosis membrane cleaning wastewater is disposed of off-site. Regeneration of mixed bed ion exchange units is performed offsite. Plant/Equipment drains that receive wash-down from cleaning and maintenance activities are routed to a sump and then transported off-site for disposal. Heat Recovery Steam Generator (HRSG) and evaporative cooling blowdown are reused as make-up water for the on-site water treatment system. Alternatively, HRSG blowdown is discharged internally from Internal Outfall I-019 to the OTCW conduits and thence to Outfalls D-011 and D-012. Water treatment plant wastewater (RO reject and multimedia filter backwash) and plant/equipment drains that receive wastewater are routed to a sump which discharges from Internal Outfall I-017 to the OTCW conduits and thence to Outfalls D-011 and D-012.

Equipment area stormwater from the power block area, transformer containment area, and fuel oil storage tank runoff is routed through an oil/water separator and then to a series of connected on-site retention ponds prior to discharge. The fuel oil storage tank is a double-walled structure which provides secondary containment. The on-site retention ponds also receive some non-equipment stormwater. The stormwater management system is designed to handle a 25-year, 24-hour storm event and discharge via Outfalls D-028 and D-029. Other non-equipment area stormwater is discharged to the intake canal through Outfall D-024. On occasion, de minimis quantities of process wastewater from minor leaks or spills from the steam generating facilities, may discharge from the connected on-site retention ponds.

**REUSE OR DISPOSAL:**

**Surface Water Discharge D-011/D-012 (Combined Plant Discharge):** A combined plant discharge of 685 MGD maximum daily flow to the Indian River (Class II Marine Waters, WBID 2963D1) through two outfall structures, D-011,

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

located approximately at latitude 28° 28' 11" N, longitude 80° 45' 46" W, and D-012, located approximately at latitude 28° 28' 14" N, longitude 80° 45' 50" W.

**Internal Outfall I-015 (Auxiliary Equipment Cooling Water):** An existing auxiliary equipment cooling water discharge of 23 MGD annual average flow and 30.0 MGD maximum daily flow from Internal Outfall I-015 to the OTCW conduits and thence to Outfalls D-011 and D-012

**Internal Outfall I-017 (Water Treatment Plant Wastewater):** An existing water treatment plant wastewater discharge of 0.05 MGD annual average flow of RO reject and multimedia filter backwash and plant/equipment drain wastewater are discharged from Internal Outfall I-017 to the OTCW conduits and thence to Outfalls D-011 and D-012.

**Internal Outfall I-019 (Heat Recovery Steam Generator Blowdown):** An existing discharge of 0.5 MGD annual average flow of HRSG blowdown discharge from Internal Outfall I-019 to the OTCW conduits and thence to Outfalls D-011 and D-012.

**Stormwater Outfall D-024:** An existing discharge of non-equipment area stormwater to the plant's intake canal, located approximately at latitude 28° 28' 5" N, longitude 80° 45' 52" W.

**Stormwater Outfall D-028:** An existing discharge of stormwater from the on-site retention pond system and the fuel oil storage tank to the Indian River (Class II Marine Waters, WBID 2963D1), located approximately at latitude 28° 28' 18" N, longitude 80° 45' 51" W.

**Stormwater Outfall D-029:** An existing discharge of stormwater from the on-site retention pond system to the Indian River (Class II Marine Waters, WBID 2963D1), located approximately at latitude 28° 28' 9" N, longitude 80° 45' 46" W.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 24 of this permit.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

## I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge the **COMBINED PLANT DISCHARGE** (consisting of once-through and auxiliary equipment cooling water, water treatment plant wastewater (RO reject and multimedia filter backwash), plant/equipment drain wastewater excluding washwater, and heat recovery steam generator and evaporative cooling blowdown) from **Outfalls D-011/D-012** to Indian River Lagoon. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (Combined Discharge)	MGD	Max Max	Report Report	Instant. Maximum Monthly Average	Continuous <sup>1</sup>	Calculated	FLW-1 <sup>1</sup>	
Chlorination Duration	min/day	Max	120	Instant. Maximum	Daily; 24 hours	Calculated	OTH-1	
Oxidants, Total Residual	mg/L	Max	0.01	Daily Maximum	Weekly	Grab	EFF-2	See I.A.3
Temp. Difference between Intake and Discharge	Deg F	Max Max Max Max	Report 14.2 Report Report	Daily Average Monthly Average Daily Average Monthly Average	6 times per day	Meter	INT-1 EFF-1	May – Sept May – Sept Oct – Apr Oct – Apr
Temperature (F), Water	Deg F	Max Max	Report Report	Daily Average Monthly Average	6 times per day	Meter	EFF-1	
Oxygen, Dissolved (DO)	mg/L	Min	Report	Single Sample	Monthly	Meter	EFF-2, INT-1	See I.A.4 and I.A.5
Dissolved Oxygen (DO), % Saturation	percent	Min	Report	Monthly Average	Monthly	Calculated	EFF-2	See I.A.4 and I.A.5
	# of exceedances	Max	1	12 months	Monthly	Calculated	EFF-2	
Nitrogen, Total, Monthly Loading	lbs/month	Max	Report	Monthly Total	Monthly	Calculated <sup>2</sup>	CAL-1	See I.A.9 and I.A.10
Nitrogen, Total, Annual Loading	lbs/year	Max	2555	Annual Total	Annually	Calculated <sup>2</sup>	CAL-1	See I.A.9 and I.A.10
Phosphorous, Total, Monthly Loading	lbs/month	Max	Report	Monthly Total	Monthly	Calculated <sup>2</sup>	CAL-1	See I.A.9 and I.A.10
Phosphorous, Total, Annual Loading	lbs/year	Max	146	Annual Total	Annually	Calculated <sup>2</sup>	CAL-1	See I.A.9 and I.A.10
Chronic Whole Effluent Toxicity, 7-Day IC25 (Mysidopsis bahia)	percent	Min	100	Single Sample	Semi-annually	24-hr Composite	EFF-2	See I.A.6
Chronic Whole Effluent Toxicity, 7-Day IC25 (Menidia beryllina)	percent	Min	100	Single Sample	Semi-annually	24-hr Composite	EFF-2	See I.A.6

- Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-1	Flow monitoring location for OTCW and AECW discharged from Outfall D-011 and D-012.

<sup>1</sup> Flows for Internal Outfalls I-015, I-017, and I-019 are reported separately. In accordance with Rule 62-620.200(7), F.A.C., a "Continuous discharge" means a discharge which occurs without interruption throughout the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities.

<sup>2</sup> The total nitrogen and phosphorus load is a calculation of the total nitrogen and phosphorus discharged from Internal Outfalls I-017 and I-019.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

Monitoring Site Number	Description of Monitoring Site
OTH-1	At the point of chlorine addition for Unit 3 OTCW.
EFF-1	Discharge temperature at the outlet from the unit prior to actual discharge or mixing with any other wastewater streams.
EFF-2	TRO, DO, Whole Effluent Toxicity at the end of pipe at Outfall D-012.
INT-1	Once-through cooling water intake for Unit 3.
CAL-1	Calculation of the overall monthly and annual nitrogen and phosphorus loads from Outfalls I-017 and I-019.

3. Total Residual Oxidants (TRO) means the value obtained using the amperometric titration method for total residual chlorine or the Hach model 19300 or equivalent). Testing for TRO by titration shall be conducted according to either the low-level amperometric method, or the DPD calorimetric method as specified in section 4500-Cl E. or 4500 Cl G., respectively, Standard Methods for the examination of Water and Waste water, 18th Edition (or most current edition).

The permittee shall collect samples when chlorine is in use. TRO monitoring requirements for the point of discharge are not applicable for any week in which chlorine is not added to the unit.

Grab samples shall consist of multiple samples collected at approximately the beginning, middle, and end a chlorination period. The total daily chlorination duration of 120 minutes per day may consist of multiple chlorination periods of less than 120 minutes.

4. In-situ dissolved oxygen monitoring for both the intake and discharge shall be performed concurrently every 4 hours, for 24 hours, once a month.
5. The monthly average DO percent saturation shall not be below 56% more than once in any rolling twelve month period. *[Rule 62-302.533(2)(a), F.A.C.]*
6. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from Outfalls D-011/D-012.
- a. Effluent Limitation
- (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 100% effluent. *[Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]*
- (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. *[Rules 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]*
- b. Monitoring Frequency
- (1) Routine toxicity tests shall be conducted once every six months, the first starting within 60 days of the issuance date of this permit and lasting for the duration of this permit.
- (2) Upon completion of four consecutive, valid routine tests that demonstrate compliance with the effluent limitation in 6.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 6.a.(1) above.
- (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-014, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
- c. Sampling Requirements
- (1) For each routine test or additional follow-up test conducted, a total of three 24-hour composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-014, Section 8.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

- (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
  - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
- d. Test Requirements
- (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25%** final effluent.
  - (2) The permittee shall conduct 7-day survival and growth chronic toxicity tests with a mysid shrimp, **Americamysis (Mysidopsis) bahia**, Method 1007.0, and an inland silverside, **Menidia beryllina**, Method 1006.0, concurrently.
  - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms**, 3rd Edition, EPA-821-R-02-014. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
  - (4) The control water and dilution water used shall be artificial sea salts as described in EPA-821-R-02-014, Section 7.2. The test salinity shall be determined as follows:
    - (a) For the **Americamysis bahia** bioassays, the effluent shall be adjusted to a salinity of 20 parts per thousand (ppt) with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 20 ppt. If the salinity of the effluent is greater than 20 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.
    - (b) For the **Menidia beryllina** bioassays, if the effluent salinity is less than 5ppt, the salinity shall be adjusted to 5 ppt with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 5 ppt. If the salinity of the effluent is greater than 5 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.
    - (c) If the salinity of the effluent requires adjustment, a salinity adjustment control should be prepared and included with each bioassay. The salinity adjustment control is intended to identify toxicity resulting from adjusting the effluent salinity with artificial sea salts. To prepare the salinity adjustment control, dilute the control/dilution water to the salinity of the effluent and adjust the salinity of the salinity adjustment control at the same time and to the same salinity that the salinity of the effluent is adjusted using the same artificial sea salts.
- e. Quality Assurance Requirements
- (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
  - (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or any test does not meet "test acceptability criteria", the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-014, Section 14.12 (**Americamysis bahia**) and Section 13.12 (**Menidia beryllina**). The repeat test shall begin within 21 days after the last day of the invalid test.
  - (3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
  - (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-014, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
  - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for each test species shall be entered on the DMR.
- (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-014, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-014, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:  
Florida Department of Environmental Protection  
Central District Office  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 6.a.(1).
- (2) Additional Follow-up Tests:
  - (a) If a routine test does not meet the chronic toxicity limitation in 6.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 6.d.
  - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
  - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-014.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
  - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
  - (b) The Department shall review and approve the plan before initiation.
  - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
  - (d) Progress reports shall be submitted quarterly to the Department at the address above.
  - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 6.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 6.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-014, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
  - (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 6.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.



PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 6.(a)(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

7. Discharges from Outfalls D-011 and D-012 are subject to thermal limitations established by Rule 62-302.520(1), F.A.C.
8. OTCW and AECW limitations and monitoring requirements for TRO are not applicable for any week in which chlorine is not added to Unit 3.
9. The monthly and annual mass loads for total nitrogen and total phosphorus shall be calculated as follows:

$$L_{\text{Total}} \text{ (Lbs/month or year)} = L_{\text{Outfall I-017}} + L_{\text{Outfall I-019}}$$

$$L \text{ (Lbs/month or year)} = \text{Flow (MG/month or year)} \times \text{TN or TP (mg/L)} \times 8.34 \text{ (L-Lbs/MG-mg)}$$

Where:

**L** = Mass load of total nitrogen or total phosphorus at OUI-1 or OUI-3; (Lbs/month or year)

**Flow** = Total volume of effluent discharged from the point source in a given month or year at FLW-3 or FLW-4; (million gallons (MG)).

**TN** = Concentration of TN collected at OUI-1 or OUI-3; (mg/L)

**TP** = Concentration of TP collected at OUI-1 or OUI-3; (mg/L)

10. The calendar year total nitrogen loading shall be the summation of each of the twelve monthly nitrogen loadings during the calendar year calculated for Internal Outfalls I-017 and I-019.
11. The calendar year total phosphorous loading shall be the summation of each of the twelve monthly phosphorous loadings during the calendar year calculated for Internal Outfalls I-017 and I-019.
12. During the period beginning at initiation of discharge and lasting through the expiration date of this permit, the permittee is authorized to discharge stormwater from **Outfalls D-024, D-028, and D-029** without limitation or monitoring requirements.
13. Intake Screen wash water may be discharged without limitation or monitoring requirements, except that there shall be no discharge of a visible sheen.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

## B. Internal Outfalls

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **AUXILIARY EQUIPMENT COOLING WATER (AECW)** from **Internal Outfall I-015** to the OTCW conduits and thence to Outfalls D-011 and D-012. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Continuous <sup>3</sup>	Calculated	FLW-2	
Chlorination Duration	min/day	Max	1440	Instant. Maximum	Daily; 24 hours	Calculated	OTH-2	

- Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-2	Flow monitoring location for auxiliary equipment cooling water for Unit 3.
OTH-2	At the point of chlorine addition for Unit 3 AECW.

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **WATER TREATMENT PLANT WASTEWATER** (RO reject and multimedia filter backwash), and plant/equipment drain wastewater excluding washwater, from **Internal Outfall I-017** to the OTCW conduits and thence to Outfalls D-011 and D-012. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	2/month	Calculated	FLW-3	
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	2/month	Grab	OUI-1	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	2/month	Grab	OUI-1	
pH	s.u.	Min Max	6.0 9.0	Instant. Minimum Instant. Maximum	Monthly	Grab	OUI-1	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Monthly	Grab	OUI-1	
Phosphorous, Total	mg/L	Max	Report	Single Sample	Monthly	Grab	OUI-1	

- Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.3. and as described below:

Monitoring Site Number	Description of Monitoring Site
OUI-1	Downstream of the sump and prior to discharging to the OTCW conduits.
FLW-3	Flow monitoring location for water treatment plant wastewater.

<sup>3</sup> In accordance with Rule 62-620.200(7), F.A.C., a "Continuous discharge" means a discharge which occurs without interruption throughout the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

5. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **HEAT RECOVERY STEAM GENERATOR (HRSG) BLOWDOWN** and evaporative cooling blowdown from **Internal Outfall I-019** to the OTCW conduits and thence to Outfalls D-011 and D-012. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Monthly	Calculated	FLW-4	
Oil and Grease	mg/L	Max Max	15.0 20.0	Monthly Average Daily Maximum	Semi-annually	Grab	OUI-3	
Solids, Total Suspended	mg/L	Max Max	30.0 100.0	Monthly Average Daily Maximum	Semi-annually	Grab	OUI-3	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Monthly	Grab	OUI-3	
Phosphorous, Total	mg/L	Max	Report	Single Sample	Monthly	Grab	OUI-3	

6. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.5. and as described below:

Monitoring Site Number	Description of Monitoring Site
OUI-3	At the point of discharge to the OTCW conduits.
FLW-4	Flow monitoring location for heat recovery stream generator blowdown.

7. Upon completion of 24 months of valid tests that demonstrate compliance with the annual total effluent limitations in I.A.1 for total nitrogen and total phosphorus and no additional products containing nitrogen or phosphorous applied during the 24 month period, the permittee may submit a written request to the Department for a reduction in monitoring frequency for total nitrogen and total phosphorus to once every three months at Internal Outfalls I-017 and I-019. The request shall include a summary of the data. Reductions in monitoring shall only become effective upon the Department's written confirmation.

### C. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
  - a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
  - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
  - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
3. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

REPORT Type on DMR	Monitoring Period	Due Date
Monthly	first day of month - last day of month	28 <sup>th</sup> day of following month
Quarterly	January 1 - March 31	April 28
	April 1 - June 30	July 28
	July 1 - September 30	October 28
	October 1 - December 31	January 28
Semiannual	January 1 - June 30	July 28
	July 1 - December 30	January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection  
Water Compliance Assurance Program, Mail Station 3550  
Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

If submitting electronic DMR forms, the permittee shall use the electronic DMR system (EzDMR) and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms. [62-620.610(18)]

4. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

Florida Department of Environmental Protection  
Central District Office  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767  
Phone Number - (407) 894-7555

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

5. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
6. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. [62-620.320(6)]
7. The permittee shall maintain the current intake through-screen velocity for each intake such that the existing maximum velocity is not exceeded. [C.W.A. 316 (b)]
8. The permittee shall maintain current travelling screen practices at the intake canal so as to assure that the screens are cycled twice during each 24 hours of continuous operation unless precluded by repair/maintenance requirements. Fish, shellfish, and other aquatic organisms collected from or trapped on the intake screens shall be returned or relocated to their natural habitat in such a manner to minimize stress or mortality in accordance with the approved Aquatic Organism Return System Plan. All other materials collected on the intake screens, except natural debris (e.g. seaweed) shall be removed and disposed of in accordance with all existing federal, state and or local laws and regulations that apply to waste disposal. Such material shall not be returned to the receiving waters [C.W.A. 316(b)]
9. The permittee shall complete all studies and gather all information required under 40 CFR 122.21(r) necessary to establish impingement mortality and entrainment BTA requirements in accordance with the schedule in Condition VI.4. [C.W.A. 316(b)]
10. Nothing in this permit authorizes take for the purposes of a Facility's compliance with the federal Endangered Species Act. [40 CFR 125.98(b)(1)]
11. The Permittee shall continue compliance with the facility's Manatee Protection Plan approved by the Department on December 21, 2000.
12. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream that ultimately may be released to waters of the State is prohibited unless specifically authorized elsewhere in a permit; except products used for lawn and agricultural purposes or to the use of herbicides if used in accordance with labeled instructions and any applicable State permit. The permittee shall consult with the Florida Fish and Wildlife Commission, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service if threatened or endangered species may be exposed to the product. In the event the permittee proposes to use water treatment chemicals, biocides, corrosion inhibitors, or additives not authorized in this permit, or not previously reported to the Department, that ultimately may be released to waters of the State, the permittee shall notify the Department in writing a minimum of thirty (30) days prior to instituting the use of such product. The product shall not be used prior to a determination by the Department that a permit revision is not required or prior to Department approval. Such notification shall include:
  - a. Name and general composition of biocide or chemical
  - b. Frequencies of use
  - c. Quantities to be used
  - d. Proposed effluent concentrations
  - e. Acute and/or chronic toxicity data (laboratory reports shall be prepared, depending on the test type, according to Section 12 of EPA document no. EPA-821-R-02-012 entitled, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters for Freshwater and Marine Organisms, Section 10 of EPA document no. EPA-821-R-02-013 entitled, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms or Section 10 of EPA document no. EPA-821-R-02-014 entitled, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms, or most current addition)
  - f. Product data sheet
  - g. Product label

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

A revision to this permit is not necessary for use of products equivalent to those authorized in this permit provided the equivalent products consist of the same active ingredients and the product is applied at the same location with the same or lower concentrations of the active ingredients at the outfall. The permittee is responsible for maintaining documentation on-site which demonstrates equivalency of any new water treatment products from another vendor or manufacturer with a different product name from those listed above.

13. Discharge of any waste resulting from the combustion of toxic, hazardous, or metal cleaning wastes to any waste stream which ultimately discharges to waters of the State is prohibited, unless specifically authorized elsewhere in this permit.
14. The permittee shall not store coal, soil, or other similar erodible materials in a manner in which runoff is uncontrolled, nor shall construction activities be conducted in a manner which produces uncontrolled runoff unless such uncontrolled runoff has been specifically approved by the Department. "Uncontrolled" shall mean without sedimentation basin or other controls approved by the Department.
15. There shall be no discharge of floating debris, scum, oil, or other matter in such amounts as to form nuisances or produce color, odor, taste, turbidity, or other conditions to such degree as to create a nuisance or otherwise interfere with the beneficial use of the receiving waters in accordance with Rules 62-302.500(1)(a) and 62-302.530(500)(b), F.A.C. Any such discharges to waters of the State shall be reported to the Department when submitting DMRs. Periodically, when natural conditions are conducive to the formation of foam at the once-through cooling water outfalls D-011/D-012, the permittee is authorized to use a spray system, to reduce or minimize foaming. The spray system shall withdraw water from the discharge structure and spray water in the immediate area of the outfalls where foaming may occur. Use of treatment chemicals or additives in the spray system is prohibited.
16. A revision to this permit is not necessary for the following activities:
  - a. Structural changes that do not change the quality, nature, or quantity of the discharge of wastes or that do not cause water pollution; and
  - b. Construction, replacement or repair of components at the facility which does not change the permitted treatment works or the terms and conditions of this permit.

Records of these activities shall be kept by the permittee (activity description, start date and length of activity). The documentation shall be kept on-site in accordance with permit condition V.2, and made available to Department staff upon request. [62-620.200(26)(a) & (b)]
17. There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid. The permittee shall dispose of all known PCB equipment, articles, and wastes either in accordance with:
  - a. Department-issued permits governing soil thermal treatment (Chapter 62-713, F.A.C.) or Department-approved landfills provided the PCB concentrations meet the Florida landfill's permitted limit when concentrations are less than 50 ppm; or
  - b. 40 CFR 761 when concentrations are greater than or equal to 50 ppm.

[40 CFR Part 423.12(b)(2)]
18. The permittee is authorized to utilize the following water treatment chemicals and biocides, or their equivalents, in the cooling water systems and other wastewater streams:

Chemical Name	System Used	Chemical Purpose
Sulfuric Acid	Reverse Osmosis	pH control
Sodium Hydroxide	Reverse Osmosis	pH control
Sodium Hypochlorite	Circulating Water	Biological control
Sodium Bisulfite	Circulating Water	Biological control
Ammonium Hydroxide	HRSO Condensate & Feedwater	pH control

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

Optisperse HP 3100	HRSG/HP & IP Drums	Corrosion/deposition Inhibitor
Vitec 5100 - Avista	Reverse Osmosis	Antiscalant
Vitec 8200	Reverse Osmosis	Antiscalant

19. Only one reverse osmosis (RO) antiscalant shall be used at any given time.
20. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are discovered at any time within the project site area, the permittee shall immediately notify the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)-245-6333, to determine appropriate action.

In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

## II. SLUDGE MANAGEMENT REQUIREMENTS

1. The permittee shall be responsible for proper treatment, management, use, and disposal of its sludges. [62-620.320(6)]
2. Storage, transportation, and disposal of sludge/solids characterized as hazardous waste shall be in accordance with requirements of Chapter 62-730, F.A.C. [62-730]
3. Vegetation and materials removed from intake screens and vegetation, sediments and sludge excavated from the stormwater basins must be properly stored onsite until they are disposed in accordance with requirements in Chapter 62-701, F.A.C., and other applicable State and Federal requirements.

## III. GROUND WATER REQUIREMENTS

There are no ground water monitoring requirements included in this permit. Ground water monitoring requirements for this facility are included in the Conditions of Certification PA 08-53.

## IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

There are no land application discharges at this facility.

## V. CONSTRUCTION, OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control. [62-620.320(6)]
2. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Records of all disposal of vegetation and materials removed from intake screens and vegetation, sediments and sludge removed from stormwater basins.



PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

- e. A copy of the current permit;
- f. A copy of any required record drawings; and
- g. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules.

[62-620.350]

- 3. During the period of operation authorized by this permit, the wastewater facility shall, as part of the regular maintenance schedule, review the structural integrity of all outfalls, including all outfalls which have been taken out of service.

## VI. SCHEDULES

- 1. The following improvement actions shall be completed according to the following schedule. The Storm Water Pollution Prevention Plan (SWPPP) shall be prepared and implemented in accordance with Part VII of this permit.

Improvement Action	Completion Date
1. Continue implementing the existing SWPPP Plan	Issuance date of permit

- 2. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal no later than one-hundred and eighty days (180) prior to the expiration date of this permit. Application shall be made using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. [62-620.335(1) and (2)]
- 3. The permittee shall submit a copy of the Manatee Protection Plan, including any amendments or updates which address mitigation steps necessary to reduce impacts on manatees in the event of plant closure, with the permit renewal application to each of the following agencies no later than one-hundred and eighty days (180) prior to the expiration date of this permit:

Florida Department of Environmental Protection  
Industrial Wastewater Program, Mail Station 3545  
Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Florida Fish and Wildlife Conservation Commission  
Bureau of Protected Species Management  
620 South Meridian Street  
OES-BPS  
Tallahassee, Florida 32399-1600

And

US Fish and Wildlife Service  
Jacksonville Field Office  
7915 Baymeadows Way, Suite 200  
Jacksonville, Florida 32256-7517

- 4. Within six months of the effective date of this permit, the permittee shall submit to the Department a Plan of Study (POS) to address the timely implementation of the 316(b) cooling water intake regulations. The POS shall include a schedule for the submittal of 122(r)(2-13) forms, any associated reports, and peer review documentation. All applicable forms, reports, and associated material shall be submitted as soon as practicable but no later than 180 days prior to the expiration date of the permit (also the due date for submission of the permit renewal application).



PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

5. The facility shall submit Form 2F, Items VII.A-D, for stormwater Outfalls D-028, and D-029, including laboratory reports within 60 days of the next discharge events.

## **VII. STORMWATER POLLUTION PREVENTION PLANS**

1. In accordance with Section 304(e) and 402(a)(2) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a Stormwater Pollution Prevention Plan (SWPPP) for the facility covered by this permit. The SWPPP shall be prepared in accordance with good engineering practices and in accordance with the factors outlined in 40 CFR §125.3(d)(2) or (3) as appropriate. The plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants, including mercury, in stormwater discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the SWPPP required under this part as a condition of this permit. The plan shall include, at a minimum, the following items:
  - a. Specific individual(s) within the facility organization as members of a SWPPP Team that are responsible for developing the SWPPP and assisting the facility or operations manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's SWPPP.
  - b. A description of potential sources which may reasonably be expected to add significant amounts of pollutants to stormwater discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. The plan shall identify all activities and significant materials that may potentially be significant pollutant sources. The plan shall include, at a minimum:
    - (1) Drainage
      - (a) A site map indicating an outline of the portions of the drainage area of each stormwater outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in stormwater runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Item (2)(c) (spills and leaks) have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; processing areas; and storage areas.
      - (b) For each area of the facility that generates stormwater discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in stormwater discharges associated with industrial activity. Factors to consider include the toxicity of chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.
    - (2) An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to stormwater between the time of three years prior to the effective date of this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with stormwater runoff between the time of three years prior to the effective date of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff; and a description of any treatment the stormwater receives.
    - (3) A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a stormwater conveyance at the facility after the date of three years prior to the effective date of this permit. Such list shall be updated as appropriate during the term of the permit.
    - (4) A summary of existing discharge sampling data describing pollutants in stormwater discharges from the facility, including a summary of sampling data collected during the term of this permit.
    - (5) A narrative description of the potential pollutant sources from the following activities if applicable: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities;

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

significant dust or particulate generating processes; loading/unloading areas; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g. biochemical oxygen demand, etc.) of concern shall be identified.

- c. A description of stormwater management controls appropriate for the facility and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of stormwater management controls shall address the following minimum components, including a schedule for implementing such controls:
- (1) Good housekeeping requires the maintenance of areas that may contribute pollutants to stormwater discharges in a clean, orderly manner.
  - (2) A preventive maintenance program shall involve timely inspection and maintenance of stormwater management devices (e.g. cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.
  - (3) Areas where potential spills that can contribute pollutants to stormwater discharges can occur and their accompanying drainage points shall be identified clearly in the SWPPP. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a cleanup should be available to personnel.
  - (4) In addition to or as part of the comprehensive site evaluation required under paragraph (4) of this section, qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.
  - (5) Employee training programs shall inform personnel responsible for implementing activities identified in the SWPPP or otherwise responsible for stormwater management at all levels of responsibility of the components and goals of the SWPPP. Training should address topics such as spill response, good housekeeping and material management practices. A pollution prevention plan shall identify periodic dates for such training.
  - (6) A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of stormwater discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.
  - (7) Non-Stormwater Discharges
    - (a) The plan shall include a certification that each "stormwater-only" discharge authorized under this permit has been tested or evaluated for the presence of non-stormwater discharges. (This section is not applicable to those discharges authorized under this permit that have been identified in the application as having non-stormwater components.) The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Certifications shall be signed in accordance with paragraph (6) of this section. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the stormwater pollution plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-stormwater at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Department in accordance with paragraph (iii) below.
    - (b) Except for flows from fire-fighting activities, sources of authorized non-stormwater discharges that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.
    - (c) Failure to Certify. Any facility that is unable to provide the certification required (testing for non-stormwater discharges), must notify the Department. If the failure to certify is caused by the inability

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-stormwater discharges; the results of such test or other relevant observations; potential sources of non-stormwater discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-stormwater discharges to surface waters of the State of Florida which are not authorized by an NPDES permit are unlawful, and must be terminated or dischargers must submit appropriate NPDES permit application forms.

- (8) The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.
  - (9) The plan shall contain a narrative consideration of the appropriateness of traditional stormwater management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage stormwater runoff in a manner that reduces pollutants in stormwater discharges from the site. The plan shall provide that those measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to stormwater discharges associated with industrial activity shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices; reuse of collected stormwater (such as for a process or as an irrigation source); inlet controls (such as oil/water separators); infiltration devices; and, detention or retention devices.
- d. A Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, except as provided in paragraph (4)(d) of this section, in no case less than once a year. Such evaluations shall provide:
- (1) Areas contributing to a stormwater discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
  - (2) Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph (2) of this section (description of potential pollutant sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph (3) of this section (measures and controls) shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.
  - (3) A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPPP, and actions taken in accordance with paragraph (4)(b) of this section shall be made and retained as part of the SWPPP for at least one year after coverage under this permit terminates. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit. The report shall be signed in accordance with paragraph (6) (signatory requirements) of this section.
- e. Consistency with other plans. SWPPP may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC), plans developed for the facility under section 311 of the CWA or Best Management Practices (BMP) Programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated into the SWPPP.
- f. Signatory Authority and Management Responsibilities. The SWPPP shall be signed in accordance with Rule 62-620.305, Florida Administrative Code, and shall be reviewed by the facility engineer and facility manager. A copy of the plan shall be retained at the facility and shall be made available to the Department upon request, or in the case of a stormwater discharge associated with industrial activity that discharges through a municipal separate storm sewer system, to the operator of the municipal system.
- g. Plan Review. The Department may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan requires modifications in order to meet the

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

minimum requirements of this Part. Within 30 days of such notification from the Department, the permittee shall make the required changes to the plan and shall submit to the Department a written certification that the requested changes have been made.

- h. **Keeping Plans Current.** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance of the facility which has a significant effect on the potential for the discharge of pollutants to surface waters of the State of Florida; if the SWPPP proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph (2) (description of potential pollutant sources) of this section; or, in otherwise achieving the general objectives of controlling pollutants in stormwater discharges associated with industrial activity. Amendments to the plan may be reviewed by the Department in the same manner as described in paragraphs (6) and (7) of this section.

*[62-620.100(3)(m)]*

## **VIII. OTHER SPECIFIC CONDITIONS**

### **A. Specific Conditions Applicable to All Permits**

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
2. The permittee shall provide verbal notice to the Department's Central District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, or wastewater sludges. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Central District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
3. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file at the Department's Central District Office, are made a part hereof.
4. This permit satisfies Industrial Wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by local, state or federal agencies.

### **B. Duty to Reapply**

1. The permittee is not authorized to discharge to waters of the State after the expiration date of this permit, unless:
  - a. the permittee has applied for renewal of this permit at least 180 days before the permit expiration date (**November 13, 2020**) using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. the permittee has made complete the application for renewal of this permit before the permit expiration date.*[62-620.335(1)-(4), F.A.C.]*
2. When publishing Notice of Draft and Notice of Intent in accordance with Rules 62-110.106 and 62-620.550, F.A.C., the permittee shall publish the notice at its expense in a newspaper of general circulation in the county or counties in which the activity is to take place either
  - a. Within thirty days after the permittee has received a notice; or
  - b. Within thirty days after final agency action.

Failure to publish a notice is a violation of this permit.

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

**C. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities**

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
  - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
    - (1) One hundred micrograms per liter,
    - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
    - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
  - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
    - (1) Five hundred micrograms per liter,
    - (2) One milligram per liter for antimony, or
    - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

[62-620.625(1)]

**D. Reopener Clauses**

1. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345 F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
  - a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;
  - b. Controls any pollutant not addressed in the permit.

The permit as revised or reissued under this paragraph shall contain any other requirements then applicable.

2. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, EPA established Total Maximum Daily Loads (TMDLs), or other information show a need for a different limitation or monitoring requirement.
3. The Department or EPA may develop a TMDL during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.
4. The permit may be reopened for revision as appropriate to address new information that was not available at the time of this permit issuance or to comply with requirements of new regulations, standards, or judicial decisions relating to CWA 316(b).

**IX. GENERAL CONDITIONS**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
  - b. Have access to and copy any records that shall be kept under the conditions of this permit;
  - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
  - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]



PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
  - a. A description of the anticipated noncompliance;
  - b. The period of the anticipated noncompliance, including dates and times; and
  - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
  - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
  - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
  - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
  - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

- 19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
- 20. The permittee shall report to the Department's Tallahassee any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
  - a. The following shall be included as information which must be reported within 24 hours under this condition:
    - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
    - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
    - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
    - (4) Any unauthorized discharge to surface or ground waters.
  - b. Oral reports as required by this subsection shall be provided as follows:
    - (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
      - (a) Name, address, and telephone number of person reporting;
      - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
      - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
      - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
      - (e) Estimated amount of the discharge;
      - (f) Location or address of the discharge;
      - (g) Source and cause of the discharge;
      - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
      - (i) Description of area affected by the discharge, including name of water body affected, if any; and
      - (j) Other persons or agencies contacted.
    - (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Tallahassee within 24 hours from the time the permittee becomes aware of the circumstances.
  - c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Tallahassee office shall waive the written report.

[62-620.610(20)]



PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20 of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
  - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
  - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.1 through 3 of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
  - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
  - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
  - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.5. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

PERMITTEE: Florida Power & Light Company  
FACILITY: Cape Canaveral Energy Center

PERMIT NUMBER: FL0001473 (Major)  
EXPIRATION DATE: May 12, 2021

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



---

Elsa A. Potts, P.E.  
Program Administrator  
Industrial Wastewater Program  
Division of Water Resource Management

2<sup>ND</sup> AMENDMENT TO THE FACT SHEET  
AT THE TIME OF FINAL PERMIT ISSUANCE

DATE: May 10, 2016

PERMIT NUMBER: FL0001473

PERMITTEE: Florida Power & Light Company (FPL)  
Cape Canaveral Energy Center (CCEC)

**I. Comments by the Permittee Requesting Changes to the Proposed Permit and Fact Sheet**

The permittee requested the following changes to the proposed permit in correspondences to the Department received via e-mails on March 8<sup>th</sup>, 24<sup>th</sup>, and 25<sup>th</sup>, 2016. Minor typographical errors in the draft permit which did not substantially change any permit conditions or requirements are not itemized in this amendment to the Fact Sheet.

**Permit:**

1. Page 2, Stormwater Outfall D-024. The outfall is not associated with the on-site retention pond system, therefore, reference to the system was removed. (See I.3 below)
2. Permit Condition I.C.15. The condition was revised authorizing the facility to operate a foam suppression spray system for Outfalls D-011/D-012 on an as needed basis. The use of treatment chemicals or additives are not authorized for use in the spray system.
3. Schedule Item VI.5. Stormwater Outfall D-024 was removed from this condition based on exclusions provided for in 40 CFR 122.26(b)(14) which defines stormwater discharges associated with industrial activity. Based on the exclusions the requirements of Form 2F are not applicable. The updated site drainage map submitted indicates, and facility staff verified, that the discharge is generated off-site from highway U.S. 1 run-off.

**Fact Sheet:**

Changes as described above to the permit are hereby noted as corresponding changes to the Fact Sheet where applicable.

**II. Comments by USEPA Region IV Requesting Changes to the Proposed Permit and Fact Sheet**

No comments were received from the EPA.

**III. Other Comments**

The U.S. Fish and Wildlife Service provided comments to the Department in a letter dated March 21, 2016 regarding the facility's Manatee Protection Plan. Schedule item VI.3 was revised requiring the facility to update the plan to address mitigation steps necessary to reduce impacts on manatees in the event of plant closure.

No other comments or requests were received from the public or from other governmental agencies.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Florida Power & Light Company (FPL)

MAILING ADDRESS: 6000 N US Highway 1  
Cocoa, Florida 32927

FACILITY: Cape Canaveral Energy Center (CCEC)

LOCATION: 6000 N Highway 1  
Cocoa, Florida 32927

COUNTY: Brevard  
OFFICE: Central District

PERMIT NUMBER: FL0001473-017-IW1S

LIMIT:

CLASS SIZE: M/A

MONITORING GROUP NUMBER: D-011/D-012

MONITORING GROUP DESCRIPTION: Combined Plant Discharge

RE-SUBMITTED DMR: ☐

NO DISCHARGE FROM SITE: ☐

MONITORING PERIOD From: To:

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement						
PARM Code 50050 1 Mon. Site No. FLW-1	Report (Inst. Max.)	MGD				Continuous	Calculated
Chlorination Duration	Sample Measurement						
PARM Code 78739 P Mon. Site No. OTH-1	Report (Mo. Avg.)		120 (Inst. Max.)			Daily, 24 hours	Calculated
Oxidants, Total Residual	Sample Measurement						
PARM Code 34044 1 Mon. Site No. EFF-2	Report (Mo. Avg.)		0.01 (Day Max.)			Weekly	Grab
Temp. Diff. between Intake and Discharge (MAY - SEP)	Sample Measurement						
PARM Code 61576 1 Mon. Site No. EFF-1	Report (Day Avg.)		14.2 (Mo. Avg.)			6 times per day	Meter
Temp. Diff. between Intake and Discharge (OCT - APR)	Sample Measurement						
PARM Code 61576 1 Mon. Site No. EFF-1	Report (Day Avg.)		Report (Mo. Avg.)			6 times per day	Meter
Temperature (F), Water	Sample Measurement						
PARM Code 00011 1 Mon. Site No. EFF-1	Report (Day Avg.)		Report (Mo. Avg.)			6 times per day	Meter
Oxygen, Dissolved (DO)	Sample Measurement						
PARM Code 00300 1 Mon. Site No. EFF-2	Report (Min.)		Report (Mo. Avg.)			Monthly	Meter

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 (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Cape Canaveral Energy Center (CCEC)

MONITORING GROUP D-011/D-012

PERMIT NUMBER: FL0001473-017-IW1S

MONITORING PERIOD From: To:

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Oxygen, Dissolved (DO)	Sample Measurement						
PARM Code 00300 7 Mon. Site No. INT-1	Permit Requirement		Report (Min.)			Monthly	Meter
Oxygen, Dissolved Percent Saturation	Sample Measurement						
PARM Code 00301 1 Mon. Site No. EFF-2	Permit Requirement		Report (Min Mo. Avg.)			Monthly	Calculated
Oxygen, Dissolved Percent Saturation	Sample Measurement						
PARM Code 00301 P Mon. Site No. EFF-2	Permit Requirement	1 (12 Mo.)		# of Exceedances		Monthly	Calculated
Nitrogen, Total	Sample Measurement						
PARM Code 00600 P Mon. Site No. CAL-1	Permit Requirement	Report (Mo. Total)		lb/mth		Monthly	Calculated
Phosphorus, Total (as P)	Sample Measurement						
PARM Code 00665 P Mon. Site No. CAL-1	Permit Requirement	Report (Mo. Total)		lb/mth		Monthly	Calculated
7-DAY CHRONIC STATRE Americamysis (Mysidopsis) bahia (Routine)	Sample Measurement						
PARM Code TRP3E P Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			Semi-Annually, twice per year	24-hr TPC
7-DAY CHRONIC STATRE Americamysis (Mysidopsis) bahia (Additional)	Sample Measurement						
PARM Code TRP3E Q Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			As needed	As required by the permit
7-DAY CHRONIC STATRE Americamysis (Mysidopsis) bahia (Additional)	Sample Measurement						
PARM Code TRP3E R Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			As needed	As required by the permit
7-DAY CHRONIC STATRE Menidia beryllina (Routine)	Sample Measurement						
PARM Code TRP6B P Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			Semi-Annually, twice per year	24-hr TPC
7-DAY CHRONIC STATRE Menidia beryllina (Additional)	Sample Measurement						
PARM Code TRP6B Q Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			As needed	As required by the permit
7-DAY CHRONIC STATRE Menidia beryllina (Additional)	Sample Measurement						
PARM Code TRP6B R Mon. Site No. EFF-2	Permit Requirement		100 (Min.)			As needed	As required by the permit

ISSUANCE/REISSUANCE DATE: May 13, 2016

DMR EFFECTIVE DATE: - 1st day of the 2nd month following effective date of permit - July 1, 2016

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Florida Power & Light Company (FPL)

MAILING ADDRESS: 6000 N US Highway 1  
Cocoa, Florida 32927

PERMIT NUMBER: FL0001473-017-IW1S

LIMIT:	Final	Annually
CLASS SIZE:	MA	Industrial
		REPORT FREQUENCY:
		PROGRAM:

LIMIT:	Final	Annually
CLASS SIZE:	MA	Industrial
		REPORT FREQUENCY:
		PROGRAM:

**FACILITY:** Cape Canaveral Energy Center (CCEC)

**LOCATION:**  
6000 N Highway 1  
Cocoa, Florida 32927

CHARGE SHEET	DATE
MONITORING GROUP NUMBER:	D-011/D-012
MONITORING GROUP DESCRIPTION:	Combined Plant Discharge

RE-SUBMITTED DMR: ☐

☐ NO DISCHARGE FROM SITE:

MONITORING PERIOD \_\_\_\_\_  
From: \_\_\_\_\_ To: \_\_\_\_\_

COUNTY: Brevard  
OFFICE: Central District

[illegible]

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 (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Florida Power & Light Company (FPL)  
MAILING ADDRESS: 6000 N US Highway 1  
Cocoa, Florida 32927

PERMIT NUMBER: FL0001473-017-IWIS

<p><b>LIMIT:</b> Final</p> <p><b>CLASS SIZE:</b> MA</p> <p><b>REPORT FREQUENCY:</b> Monthly</p> <p><b>PROGRAM:</b> Industrial</p>	
---	--

**FACILITY:** Cape Canaveral Energy Center (CCEC)  
**LOCATION:** 6000 N Highway 1  
Cocoa, Florida 32927

MONITORING GROUP DESCRIPTION: Auxiliary Equipment Cooling Water (AECW)

RE-SUBMITTED DMR: ☐

☐ NO DISCHARGE FROM SITE:

MONITORING PERIOD From: ☐ NO DISCHARGE FROM BILL.

To:

[illegible]

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 (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Florida Power & Light Company (FPL)  
 MAILING ADDRESS: 6000 N US Highway 1  
 Cocoa, Florida 32927

PERMIT NUMBER: FL0001473-017-IW1S

REPORT FREQUENCY: Monthly  
 PROGRAM: Industrial

LIMIT: Final  
 CLASS SIZE: MA  
 MONITORING GROUP NUMBER: I-017

FACILITY: Cape Canaveral Energy Center (CCEC)  
 LOCATION: 6000 N Highway 1  
 Cocoa, Florida 32927

MONITORING GROUP DESCRIPTION: Water Treatment Plant Wastewater  
 RE-SUBMITTED DMR: ☐  
 NO DISCHARGE FROM SITE: ☐

COUNTY: Brevard  
 OFFICE: Central District

MONITORING PERIOD From: To:

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50050 1 Mon. Site No. FLW-3	Permit Requirement	Report (Day Max.)	MGD	Report (Mo. Avg.)			Bi-weekly; every 2 weeks	Calculated
Oil and Grease	Sample Measurement							
PARM Code 00556 P Mon. Site No. OUI-1	Permit Requirement			15.0 (Mo. Avg.)	20.0 (Day Max.)		Bi-weekly; every 2 weeks	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 P Mon. Site No. OUI-1	Permit Requirement			30.0 (Mo. Avg.)	100.0 (Day Max.)		Bi-weekly; every 2 weeks	Grab
pH	Sample Measurement							
PARM Code 00400 P Mon. Site No. OUI-1	Permit Requirement			6.0 (Inst. Min.)	9.0 (Inst. Max.)		Monthly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 P Mon. Site No. OUI-1	Permit Requirement				Report (Max.)		Monthly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 P Mon. Site No. OUI-1	Permit Requirement				Report (Max.)		Monthly	Grab

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 (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Florida Power & Light Company (FPL)  
MAILING ADDRESS: 6000 N US Highway 1  
Cocoa, Florida 32927

PERMIT NUMBER: FL0001473-017-IWIS

Final LIMIT: CLASS SIZE:	Monthly Industrial REPORT FREQUENCY: PROGRAM:
--------------------------------	--

**FACILITY:** Cape Canaveral Energy Center (CCEC)  
**LOCATION:** 6000 N Highway 1  
Cocoa, Florida 32927

Final	REPORT FREQUENCY:
MA	PROGRAM:
I-019	
	Heat Recovery Steam Generator (HRSG) Blowdown
LIMIT:	
CLASS SIZE:	
MONITORING GROUP NUMBER:	
MONITORING GROUP DESCRIPTION:	

COUNTY: \_\_\_\_\_  
OFFICE: \_\_\_\_\_

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

County: \_\_\_\_\_  
Office: \_\_\_\_\_

[illegible]

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 (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400**

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Oil and Grease  PARM Code 00556 P Mon. Site No. OUI-3	Sample Measurement							
	Permit Requirement		15.0 (Mo. Avg.)	20.0 (Day. Max.)	mg/L		Semi-Annually, twice per year	Grab
	Sample Measurement							
Solids, Total Suspended  PARM Code 00530 P Mon. Site No. OUI-3	Permit Requirement		30.0 (Mo. Avg.)	100.0 (Day. Max.)	mg/L		Semi-Annually, twice per year	Grab

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

DEP Form 62-620.910(10), Effective Nov. 29, 1994

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions 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 28<sup>th</sup> of the month following the monitoring period. Facilities who submit their DMR(s) electronically through EzDMR do not need to submit a hardcopy DMR. 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	CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.	NOD	No discharge from/to site.
DRY	Dry Well	OPS	Operations were shutdown so no sample could be taken.
FLD	Flood disaster.	OTH	Other. Please enter an explanation of why monitoring data were not available.
IFS	Insufficient flow for sampling.	SEF	Sampling equipment failure.
LS	Lost sample.		
MNR	Monitoring not required this period.		

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

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:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

**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. Data qualifier codes are not to be reported on Part A.

**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.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.  
**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. Data qualifier codes are not to be reported on Part D.

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

**Sampling 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.

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> 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 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 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.