



Florida Department of Environmental Protection

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

March 16, 2018

BY ELECTRONIC MAIL
(donald.palmer@ecua.fl.gov)

In the Matter of an
Application for Permit by:

Emerald Coast Utilities Authority
Donald Palmer
2980 Old Chemstrand Rd
Cantonment, Florida 32533-8967

File Number FL0031801-013-DW1P
Administrative Order No: AO-109NW
Escambia County
ECUA - Bayou Marcus Water Reclamation Facility

NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit and Administrative Order (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Emerald Coast Utilities Authority, applied on April 25, 2017, to the Department of Environmental Protection for a permit to operate a 8.2 mgd domestic wastewater treatment facility which would discharge 10.25 mgd of effluent to wetlands to Bayou Marcus Creek and Perdido Bay (697B, 697C, 763, 797). The facility is located at latitude 30°26'10.96" N, longitude 87°19'41.08" W on 3050 Fayal Drive, Pensacola, Florida 32526-2908 in Escambia County.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code. The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above describe wastewater project complies with the applicable provisions of Chapter 403 of the Florida Statutes and Title 62 of the Florida Administrative Code.

Under Section 403.815, Florida Statutes, and Rule 62-620.550, Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Draft Permit and Request for Public Comment. The notice must be published one time only within 30 days of receipt of this draft permit in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's Northwest District Office, 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740, within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department intends to issue the permit with the attached conditions unless as a result of public comment appropriate changes are made.

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Katie Ates, 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740 in accordance with Rule 62-620.555, Florida Administrative Code. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Northwest District Office. Comments from the permit applicant and the persons listed below must be received within 30 days of receipt of this draft permit. Comments submitted by other persons must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, Florida Administrative Code.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Emile D. Hamilton
Director

FILING AND ACKNOWLEDGMENT

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

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF DRAFT PERMIT and all copies were electronically mailed before the close of business to the listed persons.



March 16, 2018

Name

Date

Enclosure
Notice of Draft Permit for Publication
Draft Permit File No. FL0031801-013-DW1P
Draft Administrative Order No: AO-109NW
Fact Sheet, FL0031801-013-DW1P

c:

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Elsa Potts, P.E., FDEP, Tallahassee BWF (elsa.potts@dep.state.fl.us)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to Emerald Coast Utilities Authority, Edward (Ned) McMath, 2980 Old Chemstrand Rd, Cantonment, Florida 32533 for the ECUA - Bayou Marcus Water Reclamation Facility. This permit authorizes the permittee to operate a 8.2 mgd domestic wastewater treatment facility which would discharge 10.25 mgd of effluent to wetlands to Bayou Marcus Creek and Perdido Bay (697B, 697C, 763, 797). The facility is located at latitude 30°26'10.96" N, longitude 87°19'41.08" W on 3050 Fayal Drive, Pensacola, Florida 32526-2908 in Escambia County. The Department has assigned permit file number FL0031801-013-DW1P to the proposed project.

Any interested person may submit written comments on the Department's draft permit or may submit a written request for a public meeting to Katie Ates, 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740, in accordance with Rule 62-620.555, Florida Administrative Code. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Northwest District Office within 30 days of publication of this notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, Florida Administrative Code.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled including a statement of the nature of the issues proposed to be raised at the meeting.

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If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Northwest District Office, 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740, at phone number (850)595-8300.



Florida Department of Environmental Protection

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Noah Valenstein
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

Emerald Coast Utilities Authority

RESPONSIBLE OFFICIAL:

Donald Palmer
2980 Old Chemstrand Rd
Cantonment, Florida 32533-8967
(850) 969-6631

PERMIT NUMBER: FL0031801 (Major)
FILE NUMBER: FL0031801-013-DW1P
ISSUANCE DATE: May xx, 2018
EFFECTIVE DATE: May xx, 2018
EXPIRATION DATE: May xx, 2023

FACILITY:

ECUA - Bayou Marcus Water Reclamation Facility
3050 Fayal Drive
Pensacola, FL 32526-2908
Escambia County
Latitude: 30°26' 10.96" N Longitude: 87°19' 41.08" 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. This permit is accompanied by an Administrative Order, pursuant to paragraphs 403.088(2)(e) and (f), Florida Statutes. Compliance with Administrative Order, AO-109NW, is a specific requirement of 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:

WASTEWATER TREATMENT:

An existing 8.2 MGD annual average daily flow (AADF) permitted capacity activated sludge system with advanced waste treatment (AWT). The mode of treatment operation of the wastewater treatment plant (WWTP) is conventional plug flow with extended aeration advanced treatment. The WWTP consist of pretreatment processes that include influent pumping with four (4) submersible pumps, two (2) perforated plate screens, and two (2) grit vortex removal units. The biological treatment process includes bioreactors - oxidation ditches (two parallel four-stage EIMCO carrousel aeration basins with anoxic with magnesium hydroxide and carbon (as needed) addition, oxic, anoxic with alum and carbon (as needed) addition, and re-aeration chambers) and four (4) secondary clarifiers. Secondary effluent management includes two (2) cloth media effluent filters, two (2) parallel ultraviolet irradiation disinfection channels, effluent lift station with four (4) submersible pumps which pumps the effluent to the Bayou Marcus wetlands and two (2) turbine pumps for reuse water. An 8.2 MG lined reject holding pond is provided with recirculation.

The biosolids management facilities include one (1) circular plant tankage (aerated sludge holding tank) for sludge processing with four (4) cells, secondary scum and return activated sludge (RAS) pumping, waste activated sludge (WAS) pumping, one (1) rotary drum thickener to thicken sludge and facilities to transfer the thickened sludge to a tanker truck. All residual solids generated at the Bayou Marcus plant are transferred to ECUA Central WRF or landfilled. See attached WWTP Site Plan and Process Flow Diagram.

This permit authorizes replacement of the Trojan UV3000 UV disinfection system with the Trojan UV3000Plus at a capacity of 11.4 MGD AADF and 23.94 PHF. Two new UV channels will be built with two (2) banks per channel for a total of four (4) new Trojan UV 3000Plus banks.

REUSE:

Surface Water Discharge D-002: An existing 10.25 MGD annual average daily flow discharge to wetlands flowing to Bayou Marcus Creek (Class III Estuary Water) and Perdido Bay (Class III Estuary), the wetlands include WBIDs 697B, 697C, 763, and 797; northern portion (642 acres) and the southern portion (350 acres) of the receiving wetlands (Zones 10 thru 13). The point of discharge is located approximately at latitude 30°26' 22" N, longitude 87°19' 45" W. This wetland project is classified as reuse pursuant to Rule 62-610.810(2)(g), F.A.C.

This system includes a 62-610 Part VII industrial reuse system sending reclaimed water to Industrial reuse at the WWTP for process, wash down or other purposes at the wastewater treatment plant in accordance with 62-610.699(3), F.A.C.

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 22 of this permit.



I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-002 to wetlands flowing to Perdido Bay and Bayou Marcus Creek. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.6:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Total to Wetland)	MGD	Max Max	10.25 Report	Annual Average Monthly Average	Daily; 24 hours	Calculated	FLW-04	
Flow (Northern Wetland)	MGD	Max Max	7.35 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-02	See I.A.4
Flow (Southern Wetland)	MGD	Max Max	2.9 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-03	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFF-01	See I.A.20
Solids, Total Suspended	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFF-01	See I.A.20
Nitrogen, Total	mg/L	Max Max Max Max	3.0 3.75 4.5 6.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFF-01	
Nitrogen, Total	lb/day	Max	205.2	Annual Average	5 Days/Week	Calculated	EFF-01	
Nitrogen, Total (Northern Wetland)	lb/day	Max	132.6	Annual Average	5 Days/Week	Calculated	EFF-01	
Nitrogen, Total (Southern Wetland)	lb/day	Max	72.6	Annual Average	5 Days/Week	Calculated	EFF-01	
Nitrogen, Ammonia, Total (as N)	mg/L	Max Max Max Max	1.6 2.0 2.4 3.2	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFF-01	
Phosphorus, Total (as P)	mg/L	Max Max Max Max	1.0 1.25 1.5 2.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFF-01	
Phosphorus, Total (as P)	lb/day	Max	68.4	Annual Average	5 Days/Week	Calculated	EFF-01	
Phosphorus, Total (as P) (Northern Wetland)	lb/day	Max	44.2	Annual Average	5 Days/Week	Calculated	EFF-01	
Phosphorus, Total (as P) (Southern Wetland)	lb/day	Max	24.2	Annual Average	5 Days/Week	Calculated	EFF-01	
Coliform, Fecal	#/100 mL	Max Max Max	200 200 400 800	Annual Average Mo. Geo. Mean 90 th Percentile Single Sample	5 Days/Week	Grab	EFF-01	See I.A.5 and 19
Enterococci	#/100 mL	Max Max	35 130	Mo. Geo. Mean 90 th Percentile	3 Days/Week	Grab	EFF-01	See I.A.19
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFF-01	See I.A.3
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	Daily; 24 hours	Grab	EFF-01	
Ultraviolet Light Dosage	mW-s/sqcm	Min	25	Single Sample	Continuous	Calculated	EFA-UV	

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Semi-Annually; twice per year	24-hr FPC	EFF-01	See I.A.6
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	Semi-Annually; twice per year	24-hr FPC	EFF-01	See I.A.6
BOD, Carbonaceous 5 day, 20C	mg/L	Max	Report	Single Sample	Semi-Annually	Grab	WEP-S3, WEP-N4, WIM-S2, WIM-N5	
Solids, Total Suspended	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
pH	s.u.	Max	Report	Single Sample	Semi-Annually	Meter		
Enterococci	#/100mL	Max	Report	Single Sample	Semi-Annually	Grab		
Oxygen, Dissolved (DO)	mg/L	Min	Report	Single Sample	Semi-Annually	Meter		
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Specific Conductance	umhos/cm	Max	Report	Single Sample	Semi-Annually	Meter		
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Sulfide (Sediment Sampling)	mg/kg	Max	Report	Single Sample	Annually	Grab		
Sulfate, Total	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Chlorophyll a	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Stream Stage	ft	Max	Report	Single Sample	Continuous	Staff Gauge		
Woody Vegetation Sampling	NA	NA	Report	NA	Annually	Survey		
Herbaceous Vegetation Sampling	NA	NA	Report	NA	Semi-Annually	Line Intercept Method		See I.A.13
Fish, Presence	NA	NA	Report	NA	Annually	Survey		See I.A.13
Threatened & Endangered Species, Presence	NA	NA	Report	NA	Annually	Survey		See I.A.13
Water Level Relative to NGVD	ft	Max	Report	Single Sample	Continuous	Meter	WEP-N4, WEP-S3	
Nitrogen, Total	mg/L	Max Max	3.0 Report	Annual Average Single Sample	Quarterly	Grab		
Phosphorus, Total (as P)	mg/L	Max Max	0.2 Report	Annual Average Single Sample	Quarterly	Grab		
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab	WIM-S2, WIM-N1	

Parameter	Units	Max/Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	Report	Single Sample	Semi-Annually	Grab	SWA-01, SWD-02, SWA-03	
Solids, Total Suspended	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
pH	s.u.	Max	Report	Single Sample	Semi-Annually	Meter		
Nitrogen, Nitrate, Total (as N)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Nitrogen, Total	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Oxygen, Dissolved (DO)	mg/L	Min	Report	Single Sample	Semi-Annually	Meter		
Temperature (C), Water	Deg C	Max	Report	Single Sample	Semi-Annually	Thermometer		
Enterococci	#/100mL	Max	Report	Single Sample	Semi-Annually	Grab		
Nitrogen, Ammonia, Total (as N)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Specific Conductance	umhos/cm	Max	Report	Single Sample	Semi-Annually	Meter		
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Chlorophyll a	mg/L	Max	Report	Single Sample	Semi-Annually	Grab		
Water Level at samp. collection time	ft	Max	Report	Single Sample	Semi-Annually	Meter		
Wind Direction	Deg Frm N	Max	Report	Single Sample	Semi-Annually	Meter		
Wind Force (Velocity)	mph	Max	Report	Single Sample	Semi-Annually	Meter		
Color	PCU	Max	Report	Single Sample	Semi-Annually	Meter		
Turbidity	NTU	Max	Report	Single Sample	Semi-Annually	Meter		
Salinity	ppt	Max	Report	Single Sample	Semi-Annually	Meter		
Transparency, Secchi Disk	in	Max	Report	Single Sample	Semi-Annually	Meter		
Oxygen, Dissolved Percent Saturation	percent	Min	Report	Single Sample	Semi-Annually	Meter		

2. 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-04	Total Flow to Receiving Wetlands, Calculated total from FLW-02 and FLW-03
FLW-02	Flow to northern portion of wetlands
FLW-03	Flow to southern portion of wetlands
EFF-01	Effluent monitoring point prior to discharge to the wetlands.
EFA-UV	UV dosage monitoring
WEP-S3	Southern System Quadrat S-3. Point of discharge (exit) from the southern wetland.
WEP-N4	Northern System Quadrat N-4. Point of discharge (exit) from the northern wetland.
WIM-S2	Southern System Quadrat S-2. Southern wetland internal monitoring station.
WIM-N5	Northern System Quadrat N-5. Northern wetland internal monitoring station.
SWA-01	Bayou Marcus Creek Upstream Monitoring Station - BMC
SWD-02	Mouth of Bayou Marcus Creek (southern system)-BMP
SWA-03	Perdido Bay Monitoring Station (Northern System Quadrat) - PB

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [62-600.660(1)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]

5. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. [62-600.440(7)(b)]
6. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-002.
 - a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) for reproduction or growth 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. [Rule 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 six months of the previous testing and lasting for the duration of this permit.
 - c. Sampling Requirements
 - (1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
 - (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 a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, 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 Freshwater Organisms**, 4th Edition, EPA-821-R-02-013. 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 shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
 - 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 the "test acceptability criteria" are not met, 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-02-013, Section 13.12 (**Ceriodaphnia dubia**) and Section 11.11 (**Pimephales promelas**). 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 test 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-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

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 reproduction or growth 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-02-013, 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-02-013, 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
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

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-02-013.
- (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-02-013, 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.
- (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. The ultraviolet (UV) disinfection system shall be operated in compliance with the approved operating protocol, such that the basic level disinfection permit limitations for fecal coliform bacteria shall be achieved.
[62-600.440(5)(b); 62-610.460(2)]
 - a. The on/off status of each reactor shall be monitored continuously. As described in the approved UV operating protocol. *[62-600.440(2); 62-620.320(6)]*
 - b. The status of each lamp pair shall be monitored continuously. *[62-600.440(2); 62-620.320(6)]*
 - c. The run-time of each lamp shall be monitored. As described in the approved UV operating protocol, lamps shall be replaced at the appropriate lamp run-time. *[62-600.440(2); 62-620.320(6)]*
 - d. The water flow rate through each reactor shall be monitored and logged continuously. *[62-600.440(1); 62-620.320(6)]*
 - e. Delivered UV dosage shall be continuously calculated and logged and shall be limited as described in the approved UV operating protocol. *[62-600.440(1); 62-620.320(6)]*
 - f. Operating data for UV intensity, UV dosage, reactor status, lamp run-time, reactor power settings and reactor water flow rate shall be available for inspection at the treatment facility. *[62-600.440(2); 62-620.320(6)]*
8. The UV operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the disinfection requirements. Updated UV operating protocol shall be submitted to the Department for review and approval upon revision of the UV operating protocol and with each permit application. *[62-600.440(2), 62-620.320(6)]*

9. The discharge of reclaimed water to treatment or receiving wetlands shall:
- a. Minimize channelized flow and maximize sheet flow in the wetland;
 - b. Minimize the loss or dissolution of sediments due to erosion or leaching; and,
 - c. Not cause adverse effects on endangered or threatened species.

[62-611.300]

10. The pH in the wetland shall not be raised more than 1 s.u. above background. [62-302.530(52)(c)]

11. The flora and fauna of the wetland shall not be changed to the extent that the ability of the wetland to function in the propagation and maintenance of healthy, well-balanced populations of fish and wildlife is impaired.

[62-611.500(3)(a)]

12. The woody vegetation sampling, herbaceous vegetation sampling, presence of fish, and presence of threatened and endangered species are not required to be reported on a DMR. This should be reported on the annual wetland summary report. See Condition I.A.17.

13. Vegetation reductions or changes resulting from management operations authorized by the Department or events such as fire or a hurricane shall not constitute a violation. [62-611.500(3)(d)3.]

14. All of the wetland monitoring for sediment and water quality required by I.A.1. above shall be conducted in accordance with the Standard Operating Procedure for Laboratory Operations and Sample Collection Activities; DEP-SOP-001/01 (January 2002); the E.C.U.A. Bayou Marcus Wetland Baseline Monitoring Plan" submitted by Emerald Coast Utilities Authority and Camp Dresser & McKee, Inc., approved July 20, 1994; and subsequent revisions to the monitoring plan as approved through permit revisions and renewals.

[62-611.700(1), 62-620.610 (18)]

15. Public access to the receiving wetland shall be restricted, unless high-level disinfection is provided in accordance with Rule 62-600.440(5), F.A.C. The permittee is responsible to restrict public access to the receiving wetland. [62-611.600(6)]

16. The permittee shall submit an annual wetland summary report. The summary report shall include a site description, including a site map showing the point(s) of discharge, location of monitoring stations, and general flow patterns in the wetland, and a biological monitoring summary. Summary discussion topics should include, but are not limited to, the following: a. Evaluation of the data in regard to rule criteria; b. Interpretation of the data results; c. Specific comments concerning each potential exceedance of the criteria; and d. Influence of the wastewater discharge on the wetland(s) and its effects on the type, nature and function of the wetland(s) (e.g. regeneration, growth, and sustainability of woody species; presence and biomass of fish species; and hydrologic variability). [62-611.700(2), F.A.C.]

17. The "Annual Wetlands Monitoring Summary Report" is due on June 1 of each year and will be sent to the Northwest District Office and the Domestic Wastewater Section at the addresses specified below:

Northwest District Office Florida Department of Environmental Protection 160 W Governmental Street, Suite 308 Pensacola, Florida 32502-5794	Florida Department of Environmental Protection Wastewater to Wetlands Coordinator, MS#3540 Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400
Phone Number - (850) 595-8300 FAX Number - (850) 595-8393	Phone Number - (850) 245-8605 FAX Number - (850) 245-8621

All FAX copies shall be followed by original copies. [62-611.700(2), F.A.C.]

18. The effluent limitation for the monthly geometric mean for enterococci is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report, but shall not be used to determine compliance with the limitation for the monthly geometric mean. All other enterococci effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported. [62-302.530(6)(c)]

19. To report the “90th percentile,”
 - a. Place the bacteria results in ascending order (from lowest to highest value) and assign each sample a number, 1 for the lowest value.
 - b. Multiply the total number of samples by 0.9 to determine the 90th percentile level.
 - c. Report the value of the sample that corresponds to the 90th percentile level (e.g., 10 samples x 0.9 = 9, report the value of the 9th sample). If the 90th percentile level is not a whole number, rounding or interpolation should be used to determine the 90th percentile. When rounding, round down to the nearest whole number if the decimal is 0.4 or lower, and round up to the nearest whole number if the decimal is 0.5 or higher (e.g., 12 samples x 0.9 = 10.8, report the value of the 11th sample if rounding). *[62-302.530(6)(c)]*

20. In accordance with subsections 62-600.420(1) and (2), F.A.C., the monthly average effluent CBOD5 and TSS concentrations shall not exceed 15% of their respective influent values (i.e., 85% removal). *[62-600.420(1) and (2)]*

21. The Department may develop a Total Maximum Daily Load (TMDL) for Upper Perdido Bay (WBID #797) during the life of the permit. Once a TMDL for Upper Perdido Bay (WBID #797) has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL, pursuant to Rule 62-620.325, Florida Administrative Code. *[62-620.325]*

B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.6.:

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow	MGD	Max Max Max	8.2 Report Report	Annual Average Monthly Average Quarterly Average	Continuous	Calculated	FLW-01	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	CAL-01	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	5 Days/Week	24-hr FPC	INF-01	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	5 Days/Week	24-hr FPC	INF-01	See I.B.3

2. 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-01	Flow through treatment plant; sum of FLW-02 and FLW-03
CAL-01	Percent Capacity
INF-01	Influent Monitoring Site

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. *[62-600.660(4)(a)]*

4. 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 62-600, 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.

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]

5. The permittee shall provide safe access points for obtaining representative samples which are required by this permit. [62-600.650(2)]
6. 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. 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, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Submit by
Monthly	first day of month - last day of month	28 th 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 31	January 28
Annual	January 1 - December 31	January 28

The permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <http://www.fldepportal.com/go/>, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

[62-620.610(18)][62-600.680(1)]

- 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 Northwest District Office at the address specified below:

Florida Department of Environmental Protection
 Northwest District
 160 W. Government Street
 Suite 308
 Pensacola, Florida 32502-5740
 Phone Number - (850)595-8300
 FAX Number - (850)595-8097
 (All FAX copies and e-mails shall be followed by original copies.)

[62-620.305]

- All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

- Biosolids generated by this facility may be transferred to the ECUA Central Water Reclamation Facility or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
- The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
- Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.B.6.

Parameter	Units	Max/ Min	Biosolids Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-3
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-4

[62-640.650(5)(a)1]

- Biosolids quantities shall be calculated as listed in Permit Condition II.A.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-3	Biosolids transferred to WWTP or other BTF
RMP-4	Biosolids hauled to disposal at Class I landfill

- The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
- Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]

7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Disposal

1. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

C. Transfer

1. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
2. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility	Biosolids Treatment Facility or Treatment Facility
1. Date and time shipped	1. Date and time received
2. Amount of biosolids shipped	2. Amount of biosolids received
3. Degree of treatment (if applicable)	3. Name and ID number of source facility
4. Name and ID Number of treatment facility	4. Signature of hauler
5. Signature of responsible party at source facility	5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm	

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

D. Receipt

1. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

1. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
2. For the Northern and Southern Receiving Wetland systems, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line (edge of the receiving wetlands), whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
3. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part VII Industrial Uses of Reclaimed Water

1. Reclaimed water may be used for process, wash down, or other purposes at the wastewater treatment plant. [62-610.669(3)]

2. Advisory signs shall be posted around the portions of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. [62-610.658]
3. Cross-connections to the potable water system are prohibited. [62-610.660(1)]
4. There shall be readily identifiable "non-potable" or "do not drink" notices, marking, or coding on application/distribution facilities and appurtenances. [62-610.660(2)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.
2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. 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. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of any required record drawings;
 - h. Copies of the licenses of the current certified operators;

- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.
[62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

- 1. In accordance with section 403.088(2)(e) and (f), Florida Statutes, a compliance schedule for this facility is contained in Administrative Order AO-109NW which is hereby incorporated by reference.
- 2. The permittee has a non-binding schedule for replacement of the Trojan UV3000 UV disinfection system with the Trojan UV3000Plus with scheduled completion in December 2018.
- 3. The permittee shall prepare and implement a mercury minimization plan and promulgate the BMP program pursuant to permit condition VIII.9 by September 1, 2018.
- 4. 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 expiration date of this permit 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.

Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. *[62-620.335(1) - (4)]*

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

- 1. This facility's pretreatment program requirements are included in the ECUA - Central Water Reclamation Facility permit issued by the Department under Permit Number FL0559351.
- 2. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit DMRs for Monitoring Site Numbers PRT-I and PRT-E to the ECUA - Central Water Reclamation Facility (FL0559351) for inclusion in the annual report. *[62-625.600(8)]*
- 3. Samples for Monitoring Site Numbers PRT-I and PRT-E shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	Influent Monitoring Site
PRT-E	Effluent monitoring point prior to discharge to the wetlands.

VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(5) and 62-640.400(6)]
2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.618 and 62-600.400(2)(b)]
6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
7. 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)]
8. The permittee shall provide verbal notice to the Department's Northwest 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, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Northwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]



9. The permittee shall develop and implement a mercury minimization plan in accordance with the statewide TMDL established in Rule 62-304.900(1), F.A.C. The permittee shall amend the plan as necessary to ensure that sources within the facility's jurisdiction are discharging the minimum amount of mercury practicable. The mercury minimization plan shall include annually the identification of dental operations, hospitals, and educational facilities (e.g., universities and K-12 schools) within their service area; the production or adoption of BMPs for the appropriate industries as applicable; and promulgation of the BMP program. The permittee shall maintain the plan and make it available for inspection at the facility and make it available to the Department upon request. *[62-304.900(1)][62-620.100(3)(m)]*

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 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)]*
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, 62-600, 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 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 Northwest District Office 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 WATCH OFFICE 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 Watch Office:
 - (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 Northwest District Office 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 Northwest District Office shall waive the written report.
- [62-620.610(20)]*
21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.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.20. 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)]



Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Emile D. Hamilton
Director

Attachments:

Location Map

Site Plan

Process Flow Diagram

Wetland and Surface Water Monitoring Locations Map

Discharge Monitoring Reports (DMRs):

DMR Part A D-002 Final with Influent and Toxicity

DMR Part B (Daily)

DMR Part A Biosolids Quantity (Monthly)

DMR Part A Wetland Exit Points Monitoring Report (Quarterly)

DMR Part A Wetland and Ambient Surface Water Monitoring Report (Semi-Annually)

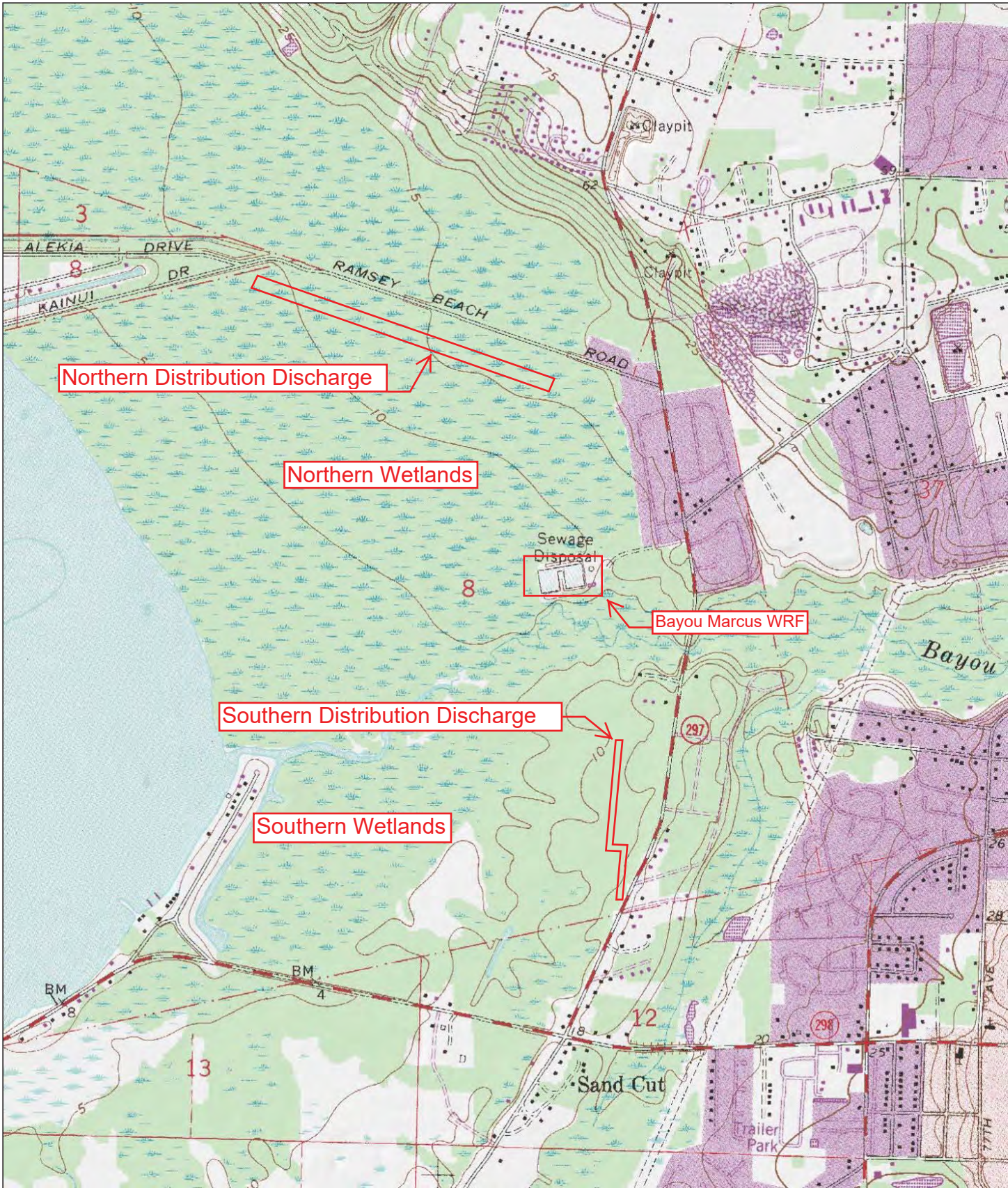
DMR Part A Wetland Sediment Monitoring Report (Annually)

DMR Part A Pretreatment Influent (PRT-I) Report (Annually)

DMR Part A Pretreatment Effluent (PRT-E) Report (Annually)

DMR Instructions





Northern Distribution Discharge

Northern Wetlands

Bayou Marcus WRF

Southern Distribution Discharge

Southern Wetlands



0 0.5 Mi
0 2000 Ft

Map provided by MyTopo.com

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-002
 MONITORING GROUP DESCRIPTION: WWTP discharge to Receiving Wetlands, with Influent

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50050 Y Mon. Site No. FLW-04	Permit Requirement	10.25 (An.Avg.)	MGD				Continuous	Calculated
Flow	Sample Measurement							
PARM Code 50050 I Mon. Site No. FLW-04	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Northern Wetland)	Sample Measurement							
PARM Code 50050 P Mon. Site No. FLW-02	Permit Requirement	7.35 (An.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Northern Wetland)	Sample Measurement							
PARM Code 50050 Q Mon. Site No. FLW-02	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Southern Wetland)	Sample Measurement							
PARM Code 50050 R Mon. Site No. FLW-03	Permit Requirement	2.9 (An.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Southern Wetland)	Sample Measurement							
PARM Code 50050 S Mon. Site No. FLW-03	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer

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: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFF-01	Permit Requirement					5.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 1 Mon. Site No. EFF-01	Permit Requirement				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFF-01	Permit Requirement					5.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-01	Permit Requirement				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 Y Mon. Site No. EFF-01	Permit Requirement					3.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 1 Mon. Site No. EFF-01	Permit Requirement				6.0 (Max.)	4.5 (Max.Wk.Avg.)	3.75 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 P Mon. Site No. EFF-01	Permit Requirement		205.2 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Total (Northern Wetland)	Sample Measurement										
PARM Code 00600 Q Mon. Site No. EFF-01	Permit Requirement		132.6 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Total (Southern Wetland)	Sample Measurement										
PARM Code 00600 R Mon. Site No. EFF-01	Permit Requirement		72.6 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Ammonia, Total (as N)	Sample Measurement										
PARM Code 00610 Y Mon. Site No. EFF-01	Permit Requirement					1.6 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Ammonia, Total (as N)	Sample Measurement									
PARM Code 00610 1 Mon. Site No. EFF-01	Permit Requirement			3.2 (Max.)	2.4 (Max. Wk. Avg.)	2.0 (Mo. Avg.)	mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 Y Mon. Site No. EFF-01	Permit Requirement				1.0 (An. Avg.)		mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 1 Mon. Site No. EFF-01	Permit Requirement			2.0 (Max.)	1.5 (Max. Wk. Avg.)	1.25 (Mo. Avg.)	mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 P Mon. Site No. EFF-01	Permit Requirement	68.4 (An. Avg.)	lb/day						5 Days/Week	Calculated
Phosphorus, Total (as P) (Northern Wetland)	Sample Measurement									
PARM Code 00665 Q Mon. Site No. EFF-01	Permit Requirement	44.2 (An. Avg.)	lb/day						5 Days/Week	Calculated
Phosphorus, Total (as P) (Southern Wetland)	Sample Measurement									
PARM Code 00665 R Mon. Site No. EFF-01	Permit Requirement	24.2 (An. Avg.)	lb/day						5 Days/Week	Calculated
Coliform, Fecal	Sample Measurement									
PARM Code 74055 Y Mon. Site No. EFF-01	Permit Requirement				200 (An. Avg.)		#/100mL		5 Days/Week	Grab
Coliform, Fecal	Sample Measurement									
PARM Code 74055 1 Mon. Site No. EFF-01	Permit Requirement			800 (Max.)	400 (90th %)	200 (Mo. Geo. Mn.)	#/100mL		5 Days/Week	Grab
Enterococci	Sample Measurement									
PARM Code 31639 1 Mon. Site No. EFF-01	Permit Requirement				35 (Mo. Geo. Mn.)	130 (90th %)	#/100mL		3 Days/Week	Grab
pH	Sample Measurement									
PARM Code 00400 1 Mon. Site No. EFF-01	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		Continuous	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

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 1 Mon. Site No. EFF-01	Permit Requirement			5.0 (Min.)	mg/L		Daily; 24 hours	Grab
Ultraviolet Light Dosage	Sample Measurement							
PARM Code 61938 J Mon. Site No. EFA-UV	Permit Requirement			25 (Min.)	mW-s/sqcm		Continuous	Calculated
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Routine)	Sample Measurement							
PARM Code TRP3B P Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		Semi-Annually; twice per year	24-hr FPC
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B Q Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B R Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Routine)	Sample Measurement							
PARM Code TRP6C P Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		Semi-Annually; twice per year	24-hr FPC
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C Q Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C R Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Water Level Relative to NGVD	Sample Measurement										
PARM Code 82545 P Mon. Site No. WEP-S3	Permit Requirement		Report (Max.)	ft						Continuous	Meter
Stream Stage	Sample Measurement										
PARM Code 34782 P Mon. Site No. WEP-S3	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Water Level Relative to NGVD	Sample Measurement										
PARM Code 82545 Q Mon. Site No. WEP-N4	Permit Requirement		Report (Max.)	ft						Continuous	Meter
Stream Stage	Sample Measurement										
PARM Code 34782 Q Mon. Site No. WEP-N4	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Stream Stage	Sample Measurement										
PARM Code 34782 R Mon. Site No. WIM-S2	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Stream Stage	Sample Measurement										
PARM Code 34782 S Mon. Site No. WIM-N1	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Flow	Sample Measurement										
PARM Code 50050 T Mon. Site No. FLW-01	Permit Requirement		8.2 (An.Avg.)	MGD						Continuous	Calculated
Flow	Sample Measurement										
PARM Code 50050 U Mon. Site No. FLW-01	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD						Continuous	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-01	Permit Requirement					Report (Mo.Avg.)	percent			Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			5 Days/Week	24-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			5 Days/Week	24-hr FPC

DAILY SAMPLE RESULTS - PART B

Permit Number:
 Monitoring Period

FL0031801-013-DW1P
 From: _____ To: _____

Facility: ECUA - Bayou Marcus Water Reclamation Facility

	BOD, Carbonaceous 5 day, 20C mg/L	Coliform, Fecal #/100mL	Enterococci #/100mL	Nitrogen, Ammonia, Total (as N) mg/L	Nitrogen, Total mg/L	Oxygen, Dissolved (DO) mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Flow MGD	Flow (Northern Wetland) MGD
Code	80082	74055	31639	00610	00600	00300	00665	00530	00400	50050	50050
Mon. Site	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	EFF-01	FLW-01	FLW-02
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FL0031801-013-DW1P
From: _____ To: _____

Facility: ECUA - Bayou Marcus Water Reclamation Facility

Code	Flow (Southern Wetland) MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	Stream Stage ft	Water Level Relative to NGVD ft	Stream Stage ft	Water Level Relative to NGVD ft	Stream Stage ft	Stream Stage ft		
Mon. Site	50050 FLW-03	80082 INF-01	00530 INF-01	34782 WEP-N4	82545 WEP-N4	34782 WEP-S3	82545 WEP-S3	34782 WIM-N5	34782 WIM-S2		
1											
2											
3											
4											
5											
6											
7											
8											
9											
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22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: RMP-Q
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

COUNTY: Escambia
 OFFICE: Northwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	Sample Measurement							
PARM Code B0007 + Mon. Site No. RMP-3	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Landfilled)	Sample Measurement							
PARM Code B0008 + Mon. Site No. RMP-4	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated

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 submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-002
 MONITORING GROUP DESCRIPTION: WWTP discharge to Receiving Wetlands

REPORT FREQUENCY: Quarterly
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Total	Sample Measurement							
PARM Code 00600 Y Mon. Site No. WEP-S3	Permit Requirement			3.0 (An.Avg.)	mg/L		Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 Y Mon. Site No. WEP-S3	Permit Requirement			0.2 (An.Avg.)	mg/L		Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 Q Mon. Site No. WEP-N4	Permit Requirement			3.0 (An.Avg.)	mg/L		Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 R Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 Q Mon. Site No. WEP-N4	Permit Requirement			0.2 (An.Avg.)	mg/L		Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 R Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Quarterly	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):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-002
 MONITORING GROUP DESCRIPTION: WWTP discharge to Receiving Wetlands
 RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Semi-Annually
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Enterococci	Sample Measurement							
PARM Code 31639 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 P Mon. Site No. WEP-S3	Permit Requirement			Report (Min.)	mg/L		Semi-Annually	Meter
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	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):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Specific Conductance	Sample Measurement							
PARM Code 00095 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Sulfate, Total	Sample Measurement							
PARM Code 00945 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 P Mon. Site No. WEP-S3	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Enterococci	Sample Measurement							
PARM Code 31639 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Min.)	mg/L		Semi-Annually	Meter
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Specific Conductance	Sample Measurement							
PARM Code 00095 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Sulfate, Total	Sample Measurement							
PARM Code 00945 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 Q Mon. Site No. WEP-N4	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Enterococci	Sample Measurement							
PARM Code 31639 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 R Mon. Site No. WIM-S2	Permit Requirement			Report (Min.)	mg/L		Semi-Annually	Meter
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Specific Conductance	Sample Measurement							
PARM Code 00095 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 S Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Sulfate, Total	Sample Measurement							
PARM Code 00945 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 R Mon. Site No. WIM-S2	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Enterococci	Sample Measurement							
PARM Code 31639 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 S Mon. Site No. WIM-N5	Permit Requirement			Report (Min.)	mg/L		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement							
PARM Code 00625 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement							
PARM Code 00630 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 T Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Sulfate, Total	Sample Measurement							
PARM Code 00945 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 S Mon. Site No. WIM-N5	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 P Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 S Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 T Mon. Site No. SWA-01	Permit Requirement			Report (Min.)	mg/L		Semi-Annually	Meter
Temperature (C), Water	Sample Measurement							
PARM Code 00010 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	Deg C		Semi-Annually	Thermometer
Enterococci	Sample Measurement							
PARM Code 31639 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Nitrogen, Ammonia, Total (as N)	Sample Measurement							
PARM Code 00610 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 U Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 T Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Water Level at samp. collection time	Sample Measurement							
PARM Code 85327 P Mon. Site No. SWA-01	Permit Requirement	Report (Max.)	ft				Semi-Annually	Meter
Wind Direction	Sample Measurement							
PARM Code 00036 P Mon. Site No. SWA-01	Permit Requirement	Report (Max.)	Deg Frm N				Semi-Annually	Meter
Wind Force (Velocity)	Sample Measurement							
PARM Code 00035 P Mon. Site No. SWA-01	Permit Requirement	Report (Max.)	mph				Semi-Annually	Meter
Color	Sample Measurement							
PARM Code 00080 P Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	PCU		Semi-Annually	Meter
Turbidity	Sample Measurement							
PARM Code 00070 P Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	NTU		Semi-Annually	Meter
Salinity	Sample Measurement							
PARM Code 00480 P Mon. Site No. SWA-01	Permit Requirement			Report (Max.)	ppt		Semi-Annually	Meter
Transparency, Secchi Disk	Sample Measurement							
PARM Code 00077 P Mon. Site No. SWA-01	Permit Requirement	Report (Max.)	in				Semi-Annually	Meter
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 P Mon. Site No. SWA-01	Permit Requirement			Report (Min.)	percent		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Meter
Temperature (C), Water	Sample Measurement							
PARM Code 00010 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	Deg C		Semi-Annually	Thermometer
Enterococci	Sample Measurement							
PARM Code 31639 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Nitrogen, Ammonia, Total (as N)	Sample Measurement							
PARM Code 00610 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Water Level at samp. collection time	Sample Measurement							
PARM Code 85327 6 Mon. Site No. SWD-02	Permit Requirement	Report (Max.)	ft				Semi-Annually	Meter
Wind Direction	Sample Measurement							
PARM Code 00036 6 Mon. Site No. SWD-02	Permit Requirement	Report (Max.)	Deg Frm N				Semi-Annually	Meter
Wind Force (Velocity)	Sample Measurement							
PARM Code 00035 6 Mon. Site No. SWD-02	Permit Requirement	Report (Max.)	mph				Semi-Annually	Meter
Color	Sample Measurement							
PARM Code 00080 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	PCU		Semi-Annually	Meter
Turbidity	Sample Measurement							
PARM Code 00070 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	NTU		Semi-Annually	Meter
Salinity	Sample Measurement							
PARM Code 00480 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	ppt		Semi-Annually	Meter
Transparency, Secchi Disk	Sample Measurement							
PARM Code 00077 6 Mon. Site No. SWD-02	Permit Requirement	Report (Max.)	in				Semi-Annually	Meter
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 6 Mon. Site No. SWD-02	Permit Requirement			Report (Max.)	percent		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
pH	Sample Measurement							
PARM Code 00400 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	s.u.		Semi-Annually	Meter
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 Q Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 T Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Meter
Temperature (C), Water	Sample Measurement							
PARM Code 00010 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	Deg C		Semi-Annually	Thermometer
Enterococci	Sample Measurement							
PARM Code 31639 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	#/100mL		Semi-Annually	Grab
Nitrogen, Ammonia, Total (as N)	Sample Measurement							
PARM Code 00610 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	umhos/cm		Semi-Annually	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 V Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 U Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	mg/L		Semi-Annually	Grab
Water Level at samp. collection time	Sample Measurement							
PARM Code 85327 Q Mon. Site No. SWA-03	Permit Requirement	Report (Max.)	ft				Semi-Annually	Meter
Wind Direction	Sample Measurement							
PARM Code 00036 Q Mon. Site No. SWA-03	Permit Requirement	Report (Max.)	Deg Frm N				Semi-Annually	Meter
Wind Force (Velocity)	Sample Measurement							
PARM Code 00035 Q Mon. Site No. SWA-03	Permit Requirement	Report (Max.)	mph				Semi-Annually	Meter
Color	Sample Measurement							
PARM Code 00080 Q Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	PCU		Semi-Annually	Meter
Turbidity	Sample Measurement							
PARM Code 00070 Q Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	NTU		Semi-Annually	Meter
Salinity	Sample Measurement							
PARM Code 00480 Q Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	ppt		Semi-Annually	Meter
Transparency, Secchi Disk	Sample Measurement							
PARM Code 00077 Q Mon. Site No. SWA-03	Permit Requirement	Report (Max.)	in				Semi-Annually	Meter
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 Q Mon. Site No. SWA-03	Permit Requirement			Report (Max.)	percent		Semi-Annually	Meter

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-002
 MONITORING GROUP DESCRIPTION: WWTP discharge to Receiving Wetlands

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Sulfide (Sediment Sampling)	Sample Measurement							
PARM Code 00745 P Mon. Site No. WEP-S3	Permit Requirement	Report (Max.)	mg/kg				Annually	Grab
Sulfide (Sediment Sampling)	Sample Measurement							
PARM Code 00745 Q Mon. Site No. WEP-N4	Permit Requirement	Report (Max.)	mg/kg				Annually	Grab
Sulfide (Sediment Sampling)	Sample Measurement							
PARM Code 00745 R Mon. Site No. WIM-S2	Permit Requirement	Report (Max.)	mg/kg				Annually	Grab
Sulfide (Sediment Sampling)	Sample Measurement							
PARM Code 00745 S Mon. Site No. WIM-N5	Permit Requirement	Report (Max.)	mg/kg				Annually	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):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: PRT-I
 MONITORING GROUP DESCRIPTION: Influent Pretreatment

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement							
PARM Code 00400 G Mon. Site No. PRT-I	Permit Requirement			Report (Min.)	Report (Max.)	s.u.	Annually	Grab
Oil and Grease, hexane extr method	Sample Measurement							
PARM Code 00552 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/L	Annually	Grab
Benzene	Sample Measurement							
PARM Code 34030 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Bromoform	Sample Measurement							
PARM Code 32104 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Carbon tetrachloride	Sample Measurement							
PARM Code 32102 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Chlorobenzene	Sample Measurement							
PARM Code 34301 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

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: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement								
PARM Code 34306 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroethane	Sample Measurement								
PARM Code 85811 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
2-chloroethyl vinyl ether (mixed)	Sample Measurement								
PARM Code 34576 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroform	Sample Measurement								
PARM Code 32106 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Dichlorobromomethane	Sample Measurement								
PARM Code 32101 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene	Sample Measurement								
PARM Code 34536 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichlorobenzene	Sample Measurement								
PARM Code 34566 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene	Sample Measurement								
PARM Code 34571 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1-dichloroethane	Sample Measurement								
PARM Code 34496 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane	Sample Measurement								
PARM Code 32103 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement										
PARM Code 34501 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
1,2-dichloropropane	Sample Measurement										
PARM Code 34541 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
1,3-dichloropropene	Sample Measurement										
PARM Code 77163 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Ethylbenzene	Sample Measurement										
PARM Code 34371 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Methyl bromide	Sample Measurement										
PARM Code 34413 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Methyl chloride	Sample Measurement										
PARM Code 34418 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Methylene chloride	Sample Measurement										
PARM Code 34423 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement										
PARM Code 34516 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Tetrachloroethylene	Sample Measurement										
PARM Code 34475 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab
Toluene	Sample Measurement										
PARM Code 34010 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L			Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement										
PARM Code 34546 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,1,1-trichloroethane	Sample Measurement										
PARM Code 34506 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,1,2-trichloroethane	Sample Measurement										
PARM Code 34511 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Trichloroethylene	Sample Measurement										
PARM Code 39180 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Vinyl chloride	Sample Measurement										
PARM Code 39175 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
2-chlorophenol	Sample Measurement										
PARM Code 34586 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dichlorophenol	Sample Measurement										
PARM Code 34601 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dimethylphenol	Sample Measurement										
PARM Code 34606 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4,6-dinitro-o-cresol	Sample Measurement										
PARM Code 34657 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dinitrophenol	Sample Measurement										
PARM Code 34616 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample Measurement										
PARM Code 34591 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4-nitrophenol	Sample Measurement										
PARM Code 34646 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
p-chloro-m-cresol	Sample Measurement										
PARM Code 82627 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Pentachlorophenol	Sample Measurement										
PARM Code 39032 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Phenol, Single Compound	Sample Measurement										
PARM Code 34694 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4,6-trichlorophenol	Sample Measurement										
PARM Code 34621 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Acenaphthene	Sample Measurement										
PARM Code 34205 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Acenaphthylene	Sample Measurement										
PARM Code 34200 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Anthracene	Sample Measurement										
PARM Code 34220 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzidine	Sample Measurement										
PARM Code 39120 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement										
PARM Code 34526 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(a)pyrene	Sample Measurement										
PARM Code 34247 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement										
PARM Code 79531 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(ghi)perylene	Sample Measurement										
PARM Code 34521 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(k)fluoranthene	Sample Measurement										
PARM Code 34242 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroethoxy) methane	Sample Measurement										
PARM Code 34278 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroethyl) ether	Sample Measurement										
PARM Code 34273 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroisopropyl) ether	Sample Measurement										
PARM Code 34283 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-ethylhexyl) phthalate	Sample Measurement										
PARM Code 39100 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4-bromophenyl phenyl ether	Sample Measurement										
PARM Code 34636 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement									
PARM Code 34292 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement									
PARM Code 34581 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement									
PARM Code 34641 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chrysene	Sample Measurement									
PARM Code 34320 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement									
PARM Code 34556 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement									
PARM Code 34631 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Diethyl phthalate	Sample Measurement									
PARM Code 34336 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement									
PARM Code 34341 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement									
PARM Code 39110 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement									
PARM Code 34611 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample Measurement									
PARM Code 34626 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-octyl phthalate	Sample Measurement									
PARM Code 34596 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2-diphenylhydrazine	Sample Measurement									
PARM Code 34346 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluoranthene	Sample Measurement									
PARM Code 34376 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluorene	Sample Measurement									
PARM Code 34381 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene	Sample Measurement									
PARM Code 39700 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobutadiene	Sample Measurement									
PARM Code 39702 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene	Sample Measurement									
PARM Code 34386 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachloroethane	Sample Measurement									
PARM Code 34396 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Indeno (1,2,3-Cd) pyrene	Sample Measurement									
PARM Code 34403 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Isophorone	Sample Measurement										
PARM Code 34408 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Naphthalene	Sample Measurement										
PARM Code 34696 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Nitrobenzene	Sample Measurement										
PARM Code 34447 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
N-nitrosodimethylamine	Sample Measurement										
PARM Code 34438 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
N-nitrosodi-n-propylamine	Sample Measurement										
PARM Code 34428 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
N-nitrosodiphenylamine	Sample Measurement										
PARM Code 34433 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Phenanthrene	Sample Measurement										
PARM Code 34461 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Pyrene	Sample Measurement										
PARM Code 34469 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
1,2,4-trichlorobenzene	Sample Measurement										
PARM Code 34551 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Aldrin	Sample Measurement										
PARM Code 39330 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement									
PARM Code 39336 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
B-bhc-beta	Sample Measurement									
PARM Code 39338 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Gamma BHC (Lindane)	Sample Measurement									
PARM Code 39782 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Delta benzene hexachloride	Sample Measurement									
PARM Code 34259 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Chlordane (tech mix. and metabolites)	Sample Measurement									
PARM Code 39350 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4,4'-DDT (p,p'-DDT)	Sample Measurement									
PARM Code 39300 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4,4'-DDE (p,p'-DDE)	Sample Measurement									
PARM Code 39320 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4,4'-DDD (p,p'-DDD)	Sample Measurement									
PARM Code 39310 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Dieldrin	Sample Measurement									
PARM Code 39380 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
A-endosulfan-alpha	Sample Measurement									
PARM Code 34361 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
B-endosulfan-beta	Sample Measurement										
PARM Code 34356 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Endosulfan sulfate	Sample Measurement										
PARM Code 34351 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Endrin	Sample Measurement										
PARM Code 39390 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Endrin aldehyde	Sample Measurement										
PARM Code 34366 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Heptachlor	Sample Measurement										
PARM Code 39410 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Heptachlor epoxide	Sample Measurement										
PARM Code 39420 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1242	Sample Measurement										
PARM Code 39496 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1254	Sample Measurement										
PARM Code 39504 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1221	Sample Measurement										
PARM Code 39488 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1232	Sample Measurement										
PARM Code 39492 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement										
PARM Code 39500 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1260	Sample Measurement										
PARM Code 39508 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1016	Sample Measurement										
PARM Code 34671 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Toxaphene	Sample Measurement										
PARM Code 39400 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Antimony, Total Recoverable	Sample Measurement										
PARM Code 01268 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Beryllium, Total Recoverable	Sample Measurement										
PARM Code 00998 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-I

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Thallium, Total Recoverable	Sample Measurement									
PARM Code 00982 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cyanide, Total Recoverable	Sample Measurement									
PARM Code 78248 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Phenolic Compounds, Total Recoverable	Sample Measurement									
PARM Code 70029 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: PRT-E
 MONITORING GROUP DESCRIPTION: Effluent Pretreatment

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

COUNTY: Escambia
 OFFICE: Northwest District

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement							
PARM Code 00400 1 Mon. Site No. PRT-E	Permit Requirement			Report (Min.)	Report (Max.)	s.u.	Annually	Grab
Oil and Grease, hexane extr method	Sample Measurement							
PARM Code 00552 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/L	Annually	Grab
Benzene	Sample Measurement							
PARM Code 34030 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Bromoform	Sample Measurement							
PARM Code 32104 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Carbon tetrachloride	Sample Measurement							
PARM Code 32102 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Chlorobenzene	Sample Measurement							
PARM Code 34301 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

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: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement									
PARM Code 34306 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Chloroethane	Sample Measurement									
PARM Code 85811 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
2-chloroethyl vinyl ether (mixed)	Sample Measurement									
PARM Code 34576 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Chloroform	Sample Measurement									
PARM Code 32106 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Dichlorobromomethane	Sample Measurement									
PARM Code 32101 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,2-dichlorobenzene	Sample Measurement									
PARM Code 34536 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,3-dichlorobenzene	Sample Measurement									
PARM Code 34566 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,4-dichlorobenzene	Sample Measurement									
PARM Code 34571 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,1-dichloroethane	Sample Measurement									
PARM Code 34496 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,2-dichloroethane	Sample Measurement									
PARM Code 32103 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement									
PARM Code 34501 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane	Sample Measurement									
PARM Code 34541 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichloropropene	Sample Measurement									
PARM Code 77163 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Ethylbenzene	Sample Measurement									
PARM Code 34371 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl bromide	Sample Measurement									
PARM Code 34413 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl chloride	Sample Measurement									
PARM Code 34418 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methylene chloride	Sample Measurement									
PARM Code 34423 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement									
PARM Code 34516 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene	Sample Measurement									
PARM Code 34475 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Toluene	Sample Measurement									
PARM Code 34010 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement									
PARM Code 34546 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,1,1-trichloroethane	Sample Measurement									
PARM Code 34506 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
1,1,2-trichloroethane	Sample Measurement									
PARM Code 34511 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Trichloroethylene	Sample Measurement									
PARM Code 39180 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
Vinyl chloride	Sample Measurement									
PARM Code 39175 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab	
2-chlorophenol	Sample Measurement									
PARM Code 34586 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dichlorophenol	Sample Measurement									
PARM Code 34601 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dimethylphenol	Sample Measurement									
PARM Code 34606 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4,6-dinitro-o-cresol	Sample Measurement									
PARM Code 34657 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
2,4-dinitrophenol	Sample Measurement									
PARM Code 34616 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample Measurement								
PARM Code 34591 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-nitrophenol	Sample Measurement								
PARM Code 34646 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
p-chloro-m-cresol	Sample Measurement								
PARM Code 82627 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol	Sample Measurement								
PARM Code 39032 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenol, Single Compound	Sample Measurement								
PARM Code 34694 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4,6-trichlorophenol	Sample Measurement								
PARM Code 34621 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthene	Sample Measurement								
PARM Code 34205 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthylene	Sample Measurement								
PARM Code 34200 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Anthracene	Sample Measurement								
PARM Code 34220 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzidine	Sample Measurement								
PARM Code 39120 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement										
PARM Code 34526 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(a)pyrene	Sample Measurement										
PARM Code 34247 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement										
PARM Code 79531 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(ghi)perylene	Sample Measurement										
PARM Code 34521 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Benzo(k)fluoranthene	Sample Measurement										
PARM Code 34242 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroethoxy) methane	Sample Measurement										
PARM Code 34278 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroethyl) ether	Sample Measurement										
PARM Code 34273 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-chloroisopropyl) ether	Sample Measurement										
PARM Code 34283 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Bis (2-ethylhexyl) phthalate	Sample Measurement										
PARM Code 39100 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
4-bromophenyl phenyl ether	Sample Measurement										
PARM Code 34636 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement									
PARM Code 34292 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement									
PARM Code 34581 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement									
PARM Code 34641 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chrysene	Sample Measurement									
PARM Code 34320 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement									
PARM Code 34556 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement									
PARM Code 34631 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Diethyl phthalate	Sample Measurement									
PARM Code 34336 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement									
PARM Code 34341 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement									
PARM Code 39110 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement									
PARM Code 34611 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample Measurement								
PARM Code 34626 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-octyl phthalate	Sample Measurement								
PARM Code 34596 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2-diphenylhydrazine	Sample Measurement								
PARM Code 34346 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluoranthene	Sample Measurement								
PARM Code 34376 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluorene	Sample Measurement								
PARM Code 34381 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene	Sample Measurement								
PARM Code 39700 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobutadiene	Sample Measurement								
PARM Code 39702 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene	Sample Measurement								
PARM Code 34386 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachloroethane	Sample Measurement								
PARM Code 34396 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Indeno (1,2,3-Cd) pyrene	Sample Measurement								
PARM Code 34403 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Isophorone	Sample Measurement								
PARM Code 34408 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Naphthalene	Sample Measurement								
PARM Code 34696 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Nitrobenzene	Sample Measurement								
PARM Code 34447 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodimethylamine	Sample Measurement								
PARM Code 34438 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodi-n-propylamine	Sample Measurement								
PARM Code 34428 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodiphenylamine	Sample Measurement								
PARM Code 34433 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenanthrene	Sample Measurement								
PARM Code 34461 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pyrene	Sample Measurement								
PARM Code 34469 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2,4-trichlorobenzene	Sample Measurement								
PARM Code 34551 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Aldrin	Sample Measurement								
PARM Code 39330 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement								
PARM Code 39336 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
B-bhc-beta	Sample Measurement								
PARM Code 39338 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane)	Sample Measurement								
PARM Code 39782 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Delta benzene hexachloride	Sample Measurement								
PARM Code 34259 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)	Sample Measurement								
PARM Code 39350 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDT (p,p'-DDT)	Sample Measurement								
PARM Code 39300 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDE (p,p'-DDE)	Sample Measurement								
PARM Code 39320 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDD (p,p'-DDD)	Sample Measurement								
PARM Code 39310 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dieldrin	Sample Measurement								
PARM Code 39380 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
A-endosulfan-alpha	Sample Measurement								
PARM Code 34361 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
B-endosulfan-beta	Sample Measurement									
PARM Code 34356 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endosulfan sulfate	Sample Measurement									
PARM Code 34351 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin	Sample Measurement									
PARM Code 39390 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin aldehyde	Sample Measurement									
PARM Code 34366 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor	Sample Measurement									
PARM Code 39410 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide	Sample Measurement									
PARM Code 39420 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1242	Sample Measurement									
PARM Code 39496 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1254	Sample Measurement									
PARM Code 39504 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1221	Sample Measurement									
PARM Code 39488 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1232	Sample Measurement									
PARM Code 39492 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement										
PARM Code 39500 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1260	Sample Measurement										
PARM Code 39508 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
PCB-1016	Sample Measurement										
PARM Code 34671 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Toxaphene	Sample Measurement										
PARM Code 39400 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Antimony, Total Recoverable	Sample Measurement										
PARM Code 01268 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Beryllium, Total Recoverable	Sample Measurement										
PARM Code 00998 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	
Copper, Total Recoverable	Sample Measurement										
PARM Code 01119 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: PRT-E

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Thallium, Total Recoverable	Sample Measurement									
PARM Code 00982 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cyanide, Total Recoverable	Sample Measurement									
PARM Code 78248 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Phenolic Compounds, Total Recoverable	Sample Measurement									
PARM Code 70029 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

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 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR 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
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

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

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

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

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

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

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

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

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

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

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

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

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

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

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

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

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

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

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



Florida Department of Environmental Protection

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Northwest District Office
160 West Government Street, Suite 308
Pensacola, Florida 32502 - 5740

Noah Valenstein
Secretary

BEFORE THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

IN THE MATTER OF:

IN THE OFFICE OF THE
NORTHWEST DISTRICT

Emerald Coast Utilities Authority
Donald Palmer, P.E.
Water Reclamation Director
2980 Old Chemstrand Rd
Cantonment, Florida 32533-8967

Administrative Order No.: AO-109NW
Permit No.: FL0031801
File No.: FL0031801-013-DW1P

ORDER ESTABLISHING COMPLIANCE SCHEDULE UNDER SECTION 403.088 (2) (f), F.S.

I. STATUTORY AUTHORITY

The Department of Environmental Protection (Department) issues this order under the authority of section 403.088 of the Florida Statutes. The Secretary of the Department has delegated this authority to the District Director, who issues this order and makes the following findings of fact.

II. FINDINGS OF FACT

1. Emerald Coast Utilities Authority is a person under section 402.031 of the Florida Statutes.
2. Emerald Coast Utilities Authority owns and operates the ECUA - Bayou Marcus Water Reclamation Facility (WRF) located at 3050 Fayal Drive, Pensacola, Florida 32526-2908 which discharges reclaimed water into waters of the state as defined in section 403.031 of the Florida Statutes.
3. Emerald Coast Utilities Authority has applied for a permit under Section 403.088(2) of the Florida Statutes.
4. Emerald Coast Utilities Authority is allowed a reasonable amount of time to comply with the new permit limit for Enterococci. Enterococci as a new bacteriological water quality standard for marine waters, Rule 62-302.530(6)(c), F.A.C., has been added as a new effluent limit of 35 #/100 mL monthly geometric mean and 130 #/100 mL 90th Percentile in specific condition I.A.1 of DEP Permit No. FL0031801-013-DW1P.

5. Sections 403.088(2)(e) and (f) of the Florida Statutes authorize the Department to issue a permit for the discharge of wastes into waters of the state, accompanied by an order establishing a schedule or achieving compliance with all permit conditions if one or more of the specified criteria of 403.088(2)(e), F.S. are met.
6. The Department finds that the permittee needs time to demonstrate compliance within the reasonable timeframe allowed by Rule 62-620.610(12) F.A.C. for the new Enterococci effluent limits.
7. The Department finds that the permittee meets the following specified criteria of 403.088(2)(e), F.S.
 - (a) The discharge will not be unreasonably destructive to the quality of the receiving waters. ECUA - Bayou Marcus WRF provides ultra-violet light (UV) disinfection far exceeding basic-level disinfection fecal coliform limits in their permit. The permit continues to require basic-level disinfection with fecal coliform limits.

III. ORDER

Based on the foregoing findings of fact, IT IS ORDERED,

1. Emerald Coast Utilities Authority shall demonstrate compliance with the new Enterococci limitations in Section II.4 not later than August 1, 2019.
2. The following interim discharge limitations and other requirements shall be met by the permittee until such time as the wastewater treatment plant can demonstrate compliance with the new limitations for Enterococci as specified in Section II.4.

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Enterococci	#/100 mL	Max Max	Report Report	Mo. Geo. Mean 90 th Percentile	3 Days/Week	Grab	EFF-01	See I.A.19

All other conditions and limits of Permit FL0031801-013-DW1P shall remain in full force and effect.

3. Emerald Coast Utilities Authority shall provide this office with semi-annual reports, not later than the 28th day after the semi-annual period, outlining progress toward compliance with the new Enterococci effluent limitation specified in specific condition I.A.1 of DEP Permit No. FL0031801-013-DW1P beginning after the semi-annual period July-December 2018 due January 28, 2019.
4. Emerald Coast Utilities Authority shall maintain and operate its facilities in compliance with all other conditions of DEP Permit No. FL0031801-013-DW1P.
5. This order may be modified through revisions as set forth in Chapter 62-620 of the Florida Administrative Code.

6. Reports or other information required by this order shall be sent to:

Compliance Assurance Program - Wastewater Environmental Manager
Northwest District Office
Florida Dept. of Environmental Protection
160 W. Governmental Street, Suite 308
Pensacola, Florida 32502-5794

Phone Number - (850) 595-8300

FAX Number - (850) 595-8392

All FAX copies shall be followed by original copies. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C.

7. This order does not operate as a permit under Section 403.088, Florida Statutes. This order shall be incorporated by reference into DEP Permit No. FL0031801-013-DW1P, which shall require compliance by the permittee with the requirements of this order.
8. Failure to comply with the requirements of this order shall constitute a violation of this order and DEP Permit No. FL0031801-013-DW1P, and may subject the permittee to penalties as provided in section 403.161 of the Florida Statutes.

IV. NOTICE OF RIGHTS

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request enlargement of the time for filing a petition for an administrative hearing. The request must be filed (received by the clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statute, must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 14 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within 14 days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

This permit action is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this permit will not be effective until further order of the Department.

Any party to the 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 in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when this permit action is filed with the clerk of the Department.

DONE AND ORDERED on this day of May 2018 in Orlando, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emile D. Hamilton
Director

Northwest District Office
Florida Dept. of Environmental Protection
160 Governmental Center, Suite 308
Pensacola, Florida 32502-5794

Attachment:
Interim DMR D-002 Part A Monthly, Effective: 1st day of the 2nd month following effective date of permit - 07/31/2019

FILED AND ACKNOWLEDGED on this date, under section 120.52 (11) of the Florida Statutes, with the designated Department Clerk, receipt of which is acknowledged.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this Order and all copies were electronically mailed before the close of business.

Name

Date



DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: Emerald Coast Utilities Authority
 MAILING ADDRESS: 2980 Old Chemstrand Rd
 Cantonment, Florida 32533-8967

PERMIT NUMBER: FL0031801-013-DW1P

LIMIT: Interim
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-002
 MONITORING GROUP DESCRIPTION: WWTP discharge to Receiving Wetlands, with Influent

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility
 LOCATION: 3050 Fayal Drive
 Pensacola, FL 32526-2908

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

COUNTY: Escambia
 OFFICE: Northwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement							
PARM Code 50050 Y Mon. Site No. FLW-04	Permit Requirement	10.25 (An.Avg.)	MGD				Continuous	Calculated
Flow	Sample Measurement							
PARM Code 50050 1 Mon. Site No. FLW-04	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Calculated
Flow (Northern Wetland)	Sample Measurement							
PARM Code 50050 P Mon. Site No. FLW-02	Permit Requirement	7.35 (An.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Northern Wetland)	Sample Measurement							
PARM Code 50050 Q Mon. Site No. FLW-02	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Southern Wetland)	Sample Measurement							
PARM Code 50050 R Mon. Site No. FLW-03	Permit Requirement	2.9 (An.Avg.)	MGD				Continuous	Flow Totalizer
Flow (Southern Wetland)	Sample Measurement							
PARM Code 50050 S Mon. Site No. FLW-03	Permit Requirement	Report (Mo.Avg.)	MGD				Continuous	Flow Totalizer

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: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFF-01	Permit Requirement					5.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 1 Mon. Site No. EFF-01	Permit Requirement				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFF-01	Permit Requirement					5.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-01	Permit Requirement				10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 Y Mon. Site No. EFF-01	Permit Requirement					3.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 1 Mon. Site No. EFF-01	Permit Requirement				6.0 (Max.)	4.5 (Max.Wk.Avg.)	3.75 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 P Mon. Site No. EFF-01	Permit Requirement		205.2 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Total (Northern Wetland)	Sample Measurement										
PARM Code 00600 Q Mon. Site No. EFF-01	Permit Requirement		132.6 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Total (Southern Wetland)	Sample Measurement										
PARM Code 00600 R Mon. Site No. EFF-01	Permit Requirement		72.6 (An.Avg.)	lb/day						5 Days/Week	Calculated
Nitrogen, Ammonia, Total (as N)	Sample Measurement										
PARM Code 00610 Y Mon. Site No. EFF-01	Permit Requirement					1.6 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Ammonia, Total (as N)	Sample Measurement									
PARM Code 00610 1 Mon. Site No. EFF-01	Permit Requirement			3.2 (Max.)	2.4 (Max. Wk. Avg.)	2.0 (Mo. Avg.)	mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 Y Mon. Site No. EFF-01	Permit Requirement				1.0 (An. Avg.)		mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 1 Mon. Site No. EFF-01	Permit Requirement			2.0 (Max.)	1.5 (Max. Wk. Avg.)	1.25 (Mo. Avg.)	mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 P Mon. Site No. EFF-01	Permit Requirement	68.4 (An. Avg.)	lb/day						5 Days/Week	Calculated
Phosphorus, Total (as P) (Northern Wetland)	Sample Measurement									
PARM Code 00665 Q Mon. Site No. EFF-01	Permit Requirement	44.2 (An. Avg.)	lb/day						5 Days/Week	Calculated
Phosphorus, Total (as P) (Southern Wetland)	Sample Measurement									
PARM Code 00665 R Mon. Site No. EFF-01	Permit Requirement	24.2 (An. Avg.)	lb/day						5 Days/Week	Calculated
Coliform, Fecal	Sample Measurement									
PARM Code 74055 Y Mon. Site No. EFF-01	Permit Requirement				200 (An. Avg.)		#/100mL		5 Days/Week	Grab
Coliform, Fecal	Sample Measurement									
PARM Code 74055 1 Mon. Site No. EFF-01	Permit Requirement			800 (Max.)	400 (90th %)	200 (Mo. Geo. Mn.)	#/100mL		5 Days/Week	Grab
Enterococci	Sample Measurement									
PARM Code 31639 1 Mon. Site No. EFF-01	Permit Requirement				Report (Mo. Geo. Mn.)	Report (90th %)	#/100mL		3 Days/Week	Grab
pH	Sample Measurement									
PARM Code 00400 1 Mon. Site No. EFF-01	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		Continuous	Meter

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

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 1 Mon. Site No. EFF-01	Permit Requirement			5.0 (Min.)	mg/L		Daily; 24 hours	Grab
Ultraviolet Light Dosage	Sample Measurement							
PARM Code 61938 A Mon. Site No. EFA-UV	Permit Requirement			25 (Min.)	mW-s/sqcm		Continuous	Calculated
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Routine)	Sample Measurement							
PARM Code TRP3B P Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		Semi-Annually; twice per year	24-hr FPC
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B Q Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement							
PARM Code TRP3B R Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Routine)	Sample Measurement							
PARM Code TRP6C P Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		Semi-Annually; twice per year	24-hr FPC
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C Q Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement							
PARM Code TRP6C R Mon. Site No. EFF-01	Permit Requirement			100 (Min.)	percent		As needed	As required by the permit
Water Level Relative to NGVD	Sample Measurement							
PARM Code 82545 P Mon. Site No. WEP-S3	Permit Requirement	Report (Max.)	ft				Continuous	Meter
Stream Stage	Sample Measurement							
PARM Code 34782 P Mon. Site No. WEP-S3	Permit Requirement	Report (Max.)	ft				Continuous	Staff Gauge

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: ECUA - Bayou Marcus Water Reclamation Facility

MONITORING GROUP NUMBER: D-002

PERMIT NUMBER: FL0031801-013-DW1P

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Water Level Relative to NGVD	Sample Measurement										
PARM Code 82545 Q Mon. Site No. WEP-N4	Permit Requirement		Report (Max.)	ft						Continuous	Meter
Stream Stage	Sample Measurement										
PARM Code 34782 Q Mon. Site No. WEP-N4	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Stream Stage	Sample Measurement										
PARM Code 34782 R Mon. Site No. WIM-S2	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Stream Stage	Sample Measurement										
PARM Code 34782 S Mon. Site No. WIM-N5	Permit Requirement		Report (Max.)	ft						Continuous	Staff Gauge
Flow	Sample Measurement										
PARM Code 50050 T Mon. Site No. FLW-01	Permit Requirement		8.2 (An.Avg.)	MGD						Continuous	Calculated
Flow	Sample Measurement										
PARM Code 50050 U Mon. Site No. FLW-01	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD						Continuous	Calculated
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-01	Permit Requirement					Report (Mo.Avg.)	percent			Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			5 Days/Week	24-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L			5 Days/Week	24-hr FPC

**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0031801-013 (Major)
FACILITY NAME: ECUA - Bayou Marcus WRF
FACILITY LOCATION: 3050 Fayal Drive, Pensacola, FL 32526-2908
Escambia County
NAME OF PERMITTEE: Emerald Coast Utilities Authority
PERMIT WRITER: Katie Ates

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0031801-013-DW1P
Application Submittal Date: April 25, 2017
Request for Additional Information Sent: May 12, 2017
Request for Additional Information Received: June 2, 2017

b. Type of Facility

Domestic Wastewater Treatment Plant
Ownership Type: Authority
SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	8.2 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0.0 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	8.2 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 8.2 MGD annual average daily flow (AADF) permitted capacity activated sludge system with advanced waste treatment (AWT). The mode of treatment operation of the wastewater treatment plant (WWTP) is conventional plug flow with extended aeration advanced treatment. The WWTP consist of pretreatment processes that include influent pumping with four (4) submersible pumps, two (2) perforated plate screens, and two (2) grit vortex removal units. The biological treatment process includes bioreactors - oxidation ditches (two parallel four-stage EIMCO carrousel aeration basins with anoxic with magnesium hydroxide and carbon (as needed) addition, oxic, anoxic with alum and carbon (as needed) addition, and re-aeration chambers) and four (4) secondary clarifiers. Secondary effluent management includes two (2) cloth media effluent filters, two (2) parallel ultraviolet irradiation disinfection channels, effluent lift station with four (4) submersible pumps which pumps the effluent to the Bayou Marcus wetlands and two (2) turbine pumps for reuse water. An 8.2 MG lined rejects holding pond is provided with recirculation.

The biosolids management facilities include one (1) circular plant tankage (aerated sludge holding tank) for sludge processing with four (4) cells, secondary scum and return activated sludge (RAS) pumping, waste activated sludge (WAS) pumping, one (1) rotary drum thickener to thicken sludge and facilities to transfer the thickened sludge to a tanker truck. All residual solids generated at the Bayou Marcus plant are transferred to ECUA Central WRF or landfilled.

This permit authorizes replacement of the Trojan UV3000 UV disinfection system with the Trojan UV3000Plus at a capacity of 11.4 MGD AADF and 23.94 PHF. Two new UV channels will be built with two (2) banks per channel for a total of four (4) new Trojan UV 3000Plus banks.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

See maps attached to the permit for effluent disposal and land application sites.

Monitoring Group D-002:

Discharge to wetlands flowing to Bayou Marcus Creek (Class III Fresh Water) and Perdido Bay (Class III Estuary), WBIDs: 697B, 697C, 763, and 797

Pollutants which are present or which are subject to permit limitations are as follows:

Parameter	Units	Max/Min	Reported Value	Statistical Basis
Flow	MGD	Max	13.83	Max Daily
		Average	5.92	Average Daily
pH	s.u.	Min	7.6	Max Daily
		Max	7.8	Min Daily
CBOD	mg/L	Max	2.8	Max Daily
		Average	1.53	Average Daily
TSS	mg/L	Max	2.3	Max Daily
		Average	0.9	Average Daily
Fecal Coliform	#/100 mL	Max	6.3	Max Daily
		Average	1.0	Average Daily
Ammonia (as N)	mg/L	Max	2.9	Max Daily
		Average	0.11	Average Daily
Dissolved Oxygen	mg/L	Max	9.3	Max Daily
		Average	8.5	Average Daily
Total Nitrogen	mg/L	Max	6.0	Max Daily
		Average	2.33	Average Daily
Oil and Grease	mg/L	Max	3.5	Max Daily
		Average	1.4	Average Daily
Total Phosphorus	mg/L	Max	0.46	Max Daily
		Average	0.15	Average Daily

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility does not have a new or expanded discharge to surface waters.

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to discharge effluent from Outfall D-002 to wetlands flowing to Bayou Marcus Creek and Perdido Bay based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Effluent Monitoring					
Flow (Total to Wetland)	MGD	Max	10.25	Annual Average	62-600.700(2)(b) FAC
		Max	Report	Monthly Average	
Flow (Northern Wetland)	MGD	Max	7.35	Annual Average	62-600.700(2)(b) FAC
		Max	Report	Monthly Average	

Flow (Southern Wetland)	MGD	Max	2.9	Annual Average	62-600.700(2)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	62-611.420(2) FAC
		Max	6.25	Monthly Average	62-600.740(2)(b)2. FAC
		Max	7.5	Weekly Average	62-600.740(2)(b)3. FAC
		Max	10.0	Single Sample	62-600.740(2)(b)4. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	62-611.420(2) FAC
		Max	6.25	Monthly Average	62-600.740(2)(b)2. FAC
		Max	7.5	Weekly Average	62-600.740(2)(b)3. FAC
		Max	10.0	Single Sample	62-600.740(2)(b)4. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	62-611.420(2) FAC
		Max	3.75	Monthly Average	62-600.740(2)(b)2. FAC
		Max	4.5	Weekly Average	62-600.740(2)(b)3. FAC
		Max	6.0	Single Sample	62-600.740(2)(b)4. FAC
Nitrogen, Total	lb/day	Max	205.2	Annual Average	62-620.320(6); 62-4.242 FAC
Nitrogen, Total (Northern Wetland)	lb/day	Max	132.6	Annual Average	
Nitrogen, Total (Southern Wetland)	lb/day	Max	72.6	Annual Average	
Nitrogen, Ammonia, Total (as N)	mg/L	Max	1.6	Annual Average	62-600.740(2)(b)1. FAC
		Max	2.0	Monthly Average	62-611.420(3) FAC
		Max	2.4	Weekly Average	62-600.740(2)(b)3. FAC
		Max	3.2	Single Sample	62-600.740(2)(b)4. FAC
Phosphorus, Total (as P)	mg/L	Max	1.0	Annual Average	62-611.420(2) FAC
		Max	1.25	Monthly Average	62-600.740(2)(b)2. FAC
		Max	1.5	Weekly Average	62-600.740(2)(b)3. FAC
		Max	2.0	Single Sample	62-600.740(2)(b)4. FAC
Phosphorus, Total (as P)	lb/day	Max	68.4	Annual Average	62-620.320(6); 62-4.242 FAC
Phosphorus, Total (as P) (Northern Wetland)	lb/day	Max	44.2	Annual Average	
Phosphorus, Total (as P) (Southern Wetland)	lb/day	Max	24.2	Annual Average	
Coliform, Fecal	#/100mL	Max	200	Annual Average	62-600.440(5)(a)1. FAC
		Max	200	Monthly Geometric Mean	62-600.440(5)(a)2. FAC
		Max	400	90 th Percentile	62-600.440(5)(a)3. FAC
		Max	800	Single Sample	62-600.440(5)(a)4. FAC
Enterococci	#/100 mL	Max	35	Monthly Geometric Mean	62-302.530(6)(c) FAC
		Max	130		
pH	s.u.	Min	6.0	Single Sample	62-600.430, 62-302.530(52) & 62-650 FAC
		Max	8.5	Single Sample	
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	62-611; 62-620.620(4)(f); 62-611.500, FAC
Ultraviolet Light Dosage	mW-s/sqcm	Min	25	Single Sample	62-600.440 FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (62) FAC and 62-4.241(1)(b) FAC

Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (62) FAC and 62-4.241(1)(b) FAC
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Wetland Monitoring					
BOD, Carbonaceous 5 day, 20C	mg/L	Max	Report	Single Sample	62-611.700 FAC
Solids, Total Suspended	mg/L	Max	Report	Single Sample	62-611.700 FAC
pH	s.u.	Max	Report	Single Sample	62-611.700 FAC
Enterococci	#/100mL	Max	Report	Single Sample	62-620.320(6) FAC
Oxygen, Dissolved (DO)	mg/L	Max	Report	Single Sample	62-611.700 FAC
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Single Sample	62-611.700 FAC
Specific Conductance	umhos/cm	Max	Report	Single Sample	62-611.700 FAC
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	62-611.700 FAC
Sulfide (Sediment Sampling)	mg/kg	Max	Report	Single Sample	62-611.700 FAC
Sulfate, Total	mg/L	Max	Report	Single Sample	62-611.700 FAC
Chlorophyll a	mg/L	Max	Report	Single Sample	62-611.700 FAC
Stream Stage	ft	Max	Report	Single Sample	62-611.700 FAC
Woody Vegetation Sampling	NA	NA	Report	NA	62-611.700 FAC
Herbaceous Vegetation Sampling	NA	NA	Report	NA	62-611.700 FAC
Fish, Presence	NA	NA	Report	NA	62-611.700 FAC
Threatened & Endangered Species, Presence	NA	NA	Report	NA	62-611.700 FAC
Water Level Relative to NGVD	ft	Max	Report	Single Sample	62-611.700 FAC
Nitrogen, Total	mg/L	Max Max	3.0 Report	Annual Average Single Sample	62-611.450(1) FAC
Phosphorus, Total (as P)	mg/L	Max Max	0.2 Report	Annual Average Single Sample	62-611.450(1) FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-611.700 FAC

Surface Water Monitoring					
BOD, Carbonaceous 5 day, 20C	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Solids, Total Suspended	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
pH	s.u.	Max	Report	Single Sample	62-620.320(6) FAC
Nitrogen, Nitrate, Total (as N)	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Nitrogen, Total	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Oxygen, Dissolved (DO)	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Temperature (C), Water	Deg C	Max	Report	Single Sample	62-620.320(6) FAC
Enterococci	#/100mL	Max	Report	Single Sample	62-620.320(6) FAC
Nitrogen, Ammonia, Total (as N)	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Specific Conductance	umhos/cm	Max	Report	Single Sample	62-620.320(6) FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Chlorophyll a	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Water Level at samp. collection time	ft	Max	Report	Single Sample	62-620.320(6) FAC
Wind Direction	Deg Frm N	Max	Report	Single Sample	62-620.320(6) FAC
Wind Force (Velocity)	mph	Max	Report	Single Sample	62-620.320(6) FAC
Color	PCU	Max	Report	Single Sample	62-620.320(6) FAC
Turbidity	NTU	Max	Report	Single Sample	62-620.320(6) FAC
Salinity	mg/L	Max	Report	Single Sample	62-620.320(6) FAC
Transparency, Secchi Disk	in	Max	Report	Single Sample	62-620.320(6) FAC
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	62-620.320(6) FAC

The nutrient loading limitations on the effluent remain at the levels prescribed in permit number FL0031801-005-DW1R/RA based on no net increase in the nutrient loading to the wetland when the wetland hydraulic capacity was increased from 8.2 MGD to 10.25 MGD AADF. This was consistent with the department's antidegradation permitting requirements.

The effluent limit for dissolved oxygen (DO) remains at 5 mg/L. The requirements of 62-302.533, FAC do not apply to the wetland discharge. Rule 62-611.500, FAC requires DO to be maintained to prevent violations of biological quality standards. Over the last permit cycle, the facility consistently maintained an average of 7.3 mg/L DO in the effluent.

The frequency of sampling for CBOD, TSS, and nutrients remains at 5 days/week. The effluent quality supports this monitoring frequency that is less than the 7 days/week prescribed by rule 62-600.660(1), F.A.C. The facility consistently meets their CBOD, TSS, phosphorus, and nitrogen limits.

The monitoring of hardness-based copper is eliminated from the permit as it is not a parameter of concern. Please see attached for the Level I WQBEL.

A receiving water body for this facility is listed on the 303D list. Perdido Bay, WBID #797, is listed as impaired for mercury in fish tissue. Perdido Bay is on the draft impaired list for enterococci and nutrients (chlorophyll-a). Please see the attached Level I WQBEL.

This facility is required to conduct chronic toxicity testing for this discharge based on Rule 62-620.620(3)(a)1, F.A.C. that requires whole effluent toxicity testing for all major domestic wastewater treatment plants.

This facility is authorized to direct reclaimed water to Industrial reuse at the WWTP for process, wash down, or other purposes at the wastewater treatment plant in accordance with 62-610.699(3).

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	8.2	Annual Average	62-600.700(2)(b) FAC
		Max	Report	Monthly Average	62-600.700(2)(b) FAC
		Max	Report	Quarterly Average	62-600.700(2)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-600.660(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-600.660(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-600 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-600, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0031801-010-DW1P expired on October 22, 2017. The renewal application was made complete on June 2, 2017, and permit 010 will remain effective until permit 013 is issued.

The following changed were made to the permit limitations:

Enterococcus, the marine bacteriological water quality standard, is added to this permit because the discharge flows to Class III predominantly marine waters. The downstream waters of the wetland are the marine portions of Perdido Bay. Please see Section 3. above and the attached WQBEL for additional information on enterococci and impairment of downstream waters.

The 90th percentile for fecal coliform is added to this permit as it is part of the disinfection criteria. The facility consistently meets their basic level disinfection limits.

The wetlands monitoring frequency is reduced to semi-annually for parameters that were previously monitored quarterly, except for the wetland exit point nutrient monitoring which remains quarterly. The large data set of quarterly monitoring since the discharge to the wetland began demonstrates the health of the system and allows for prediction of future trends of the discharge to the receiving wetland. Therefore, the frequency of monitoring is reduced at the request of the permittee as allowed by Rule 62-611.700(1), F.A.C. The wetland monitoring for fecal coliform is changed to enterococci for evaluation as enterococcus is the new marine bacteriological standard. Internal monitoring site WIM-N1 has been dry since 2013; WIM-N5 is the new internal wetland monitoring site for the north wetland located at 30° 26.10155' N, 87° 20.51252' W.

The unionized ammonia monitoring at the wetland exit points is removed from this permit, including temperature and total ammonia which were used to calculate unionized ammonia. Please see attached WQBEL.

The surface water monitoring frequency is reduced from quarterly to semi-annually. The data collected since the discharge began provides a substantially large data set. Please see attached WQBEL with surface water nutrient trends. Surface water monitoring for fecal coliform is changed to enterococci for evaluation of the surface water as enterococci is the new marine bacteriological standard.

Please see Section 6. below for changes to the ground water monitoring requirements.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be distributed and marketed and transferred to Central Water Reclamation Facility or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

6. GROUND WATER MONITORING REQUIREMENTS

The ground water monitoring is eliminated from the permit monitoring due to sufficient data supporting that there are no ground water parameters of concern that are not otherwise monitored for in the effluent, surface water, and/or receiving wetlands. Please see attached for the ground water nitrate data for the past five years. The ground water nitrate concentrations are consistently below 2 mg/L. The effluent nitrate limitations provide sufficient information to monitor the impact of nitrogen to the environment.

7. PERMIT SCHEDULES

A non-binding schedule for the UV disinfection system upgrade is included in the wastewater permit.

The permit contains a schedule to develop and implement a mercury minimization plan by September 1, 2018.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO and has not entered into a CO with the Department.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	March 16, 2018
Public Comment Period	Beginning: March 16, 2018 Ending: April 16, 2018
Notice of Intent to Issue	April 20, 2018
Notice of Permit Issuance	May 4, 2018

13. DEP CONTACT

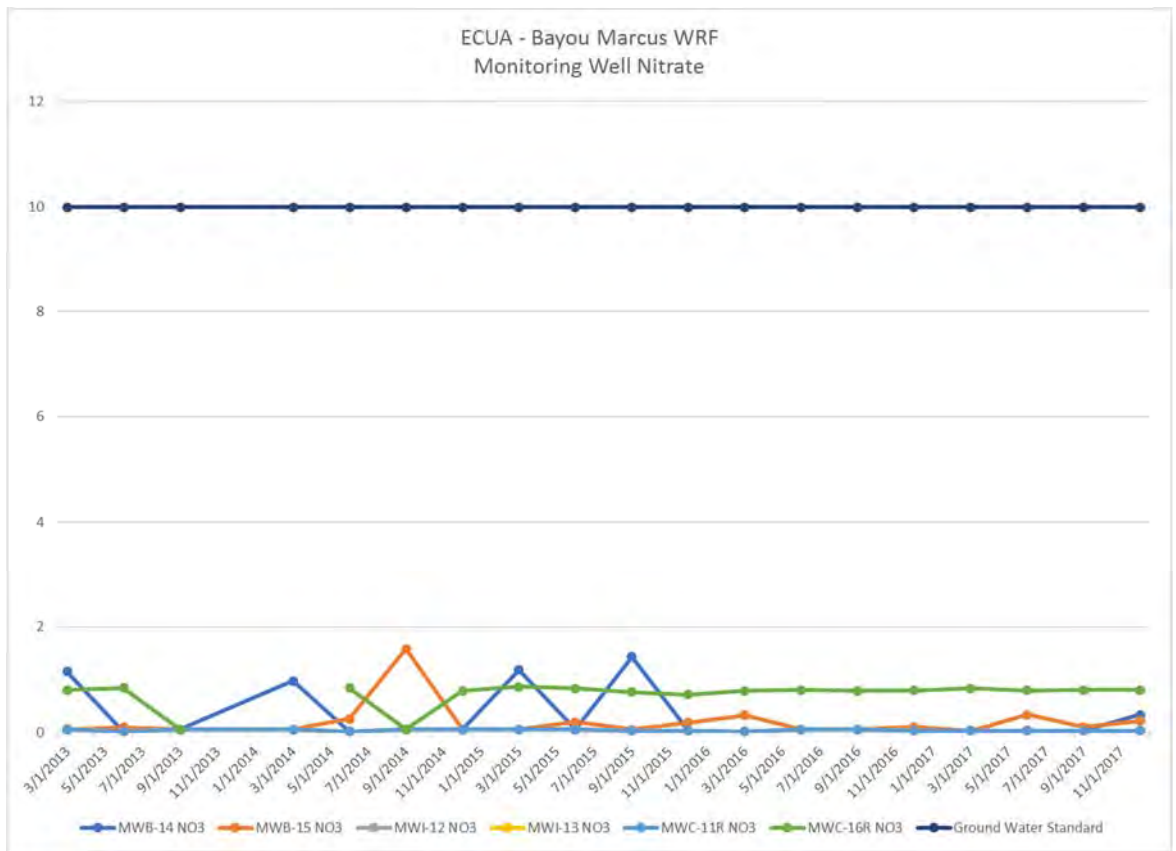
Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Katie Ates
Engineering Specialist III
Northwest District Office
160 W. Government Street
Suite 308
Pensacola, FL 32502-5740
Telephone No.: 850-595-0656

ECUA- Bayou Marcus WRF

Ground Water monitoring well Nitrate data

Date	MWB-14 NO3	MWB-15 NO3	MWI-12 NO3	MWI-13 NO3	MWC-11R NO3	MWC-16R NO3	Ground Water Standard
3/31/2013	1.15	0.06	0.05	0.05	0.05	0.8	10
6/30/2013	0.01	0.09	0.01	0.01	0.01	0.84	10
9/30/2013	0.05	0.05	0.05	0.05	0.05	0.05	10
3/31/2014	0.97	0.05	0.05	0.05	0.05		10
6/30/2014	0.01	0.25	0.01	0.01	0.01	0.84	10
9/30/2014	0.05	1.58	0.05	0.05	0.05	0.05	10
12/31/2014	0.05	0.05	0.05	0.05	0.05	0.78	10
3/31/2015	1.18	0.05	0.05	0.05	0.05	0.86	10
6/30/2015	0.05	0.19	0.05	0.05	0.05	0.83	10
9/30/2015	1.43	0.05	0.03	0.03	0.03	0.76	10
12/31/2015	0.03	0.18	0.03	0.03	0.03	0.71	10
3/31/2016	0.01	0.32	0.01	0.01	0.01	0.78	10
6/30/2016	0.05	0.05	0.05	0.05	0.05	0.8	10
9/30/2016	0.05	0.05	0.05	0.05	0.05	0.78	10
12/31/2016	0.03	0.1	0.03	0.03	0.03	0.79	10
3/31/2017	0.03	0.03	0.03	0.03	0.03	0.83	10
6/30/2017	0.03	0.33	0.03	0.03	0.03	0.79	10
9/30/2017	0.03	0.1	0.03	0.03	0.03	0.8	10
12/31/2017	0.33	0.21	0.03	0.03	0.03	0.8	10



**Florida Department of
Environmental Protection**

Memorandum

Date: March 16, 2018
From: Katie Ates
Via: Bill Evans, P.E.
To: DEP File No. FL0031801-013-DW1P/NR
Subject: LEVEL I WQBEL, ECUA Bayou Marcus WFR, Escambia County

The Level I WQBEL process applies to the renewal of existing permits when data are sufficient to determine that the receiving waters currently meet standards and are expected to continue to meet standards with the discharge [Rule 62-650.400(1)].

The Bayou Marcus WFR is an existing 8.2 MGD annual average daily flow (AADF) permitted capacity activated sludge system with advanced waste treatment (AWT) (major NPDES rated facility). The plant is designed for nitrogen and phosphorus removal producing effluent that meets 5 mg/L CBOD5, 5 mg/L TSS, 3 m/L Total Nitrogen, and 1 mg/L Total Phosphorus annual average requirements defined under section 403.086(2), FS.

Effluent flows to surface waters through a Wetland Application System D-002, comprised of flow to the northern wetland (642 acres) and southern wetland (350 acres). The discharge to wetlands flows to Bayou Marcus Creek (Class III Estuary Water) and Perdido Bay (Class III Estuary); the discharge is to WBIDs 697B, 697C, 763, and 797. The point of discharge is located approximately at latitude 30°26' 22" N, longitude 87°19' 45" W. This wetland project is classified as reuse pursuant to Rule 62-610.810(2)(g), F.A.C.

A receiving water body for this facility is listed on the 303D list. Upper Perdido Bay, WBID #797, is listed as impaired for mercury in fish tissue. Perdido Bay is on the draft impaired list for enterococci and nutrients (chlorophyll-a).

PROPOSED EFFLUENT LIMITS:

The Bayou Marcus WFR draft permit renewal proposes to continue the existing effluent monitoring requirements, which authorizes the facility to discharge effluent from Outfall D-002 to a receiving wetland system, pursuant to Rule 62-611, FAC which flows to downstream waters of Bayou Marcus Creek, estuary portion WBID #697B, and upper Perdido Bay, WBID #797.

Enterococcus is added to this permit as the new marine bacteriological water quality standard. The enterococcus monthly geometric mean limit is 35 #/100 mL, and the 90th percentile limit is 130 #/100 mL. This facility has an existing discharge to a water body that does not meet the following water quality criteria: enterococci. The permit includes a limit for this parameter. The Department is allowing this discharge to the proposed impaired waters because the facility has provided reasonable assurance through UV disinfection for basic-level disinfection that the discharge will not cause or contribute to violations of this water quality standard.

The facility's treatment meets basic level disinfection and advanced waste treatment standards for nutrients of 3 mg/L TN and 1 mg/L TP as annual averages.

Based on the facility's data submitted during the previous permit cycle on the Discharge Monitoring Reports; Compliance Inspection conducted on April 29, 2013; the Third Year Inspection conducted on February 27, 2014; the Fifth Year Inspection conducted on May 16, 2016; and the expanded effluent testing results submitted with the permit renewal application, the facility is generally in compliance and all indications are that continuing the existing permit limits is protective of the receiving waters.

DISSOLVED OXYGEN (DO) CRITERIA:

The new freshwater DO percent saturation criteria, Rule 62-302.533 F.A.C., does not apply in a domestic wastewater receiving wetland (D-002), as an alternative DO criteria is provided by Rule 62.611.500(2). The dissolved oxygen effluent limit of 5 mg/L remains in the permit.

NUMERIC NUTRIENT CRITERIA:

The new Numeric Nutrient Criteria (NNC) for freshwater streams is not applicable to the D-002 wetlands, as wetlands are excluded from the definition of a stream, pursuant to Rule 62-302.200(36)(a). The effluent AWT TN and TP limits are as required by Rule 62-611.420 for a receiving wetland.

The upper Perdido Bay has NNC established by Rule 62-302.532(1)(k)2., F.A.C., with a chlorophyll-a criterion of 11.5 ug/L, total nitrogen criterion of 1.27 mg/L, and total phosphorus criterion of 0.102 mg/L. The criteria shall not be exceeded in more than 10 percent of the measurements and shall be assessed over the most recent seven-year period. Nutrient and nutrient response values do not apply to tidally influenced areas that fluctuate between predominantly marine and predominantly fresh waters during typical climatic and hydrologic conditions.

The surface water nutrient monitoring data from the last permit cycle is shown in Table 1. The Bayou Marcus Creek upstream site (SWU-01) generally has higher total nitrogen and total phosphorus concentrations than the Bayou Marcus downstream site (SWD-02) and the Perdido Bay ambient monitoring site (SWA-03).

Table 1. Surface Water Monitoring Data

Average Surface Water Nutrient Data, December 2012-2017		
Site	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)
SWA-03 Perdido Bay	0.58	0.0095
SWD-02 Bayou Marcus downstream site	0.70	0.018
SWU-01 Bayou Marcus Creek upstream	0.76	0.018

The Fifth Year Inspection bioassessment (sampled May 16, 2016), available on-line at <ftp://ftp.dep.state.fl.us/pub/labs/lds/reports/15118.pdf>, reported Chlorophyll a (corrected) between the method detection limit (MDL) and the practical quantitation limit (PQL) in the effluent and test site sample. Chlorophyll a (corrected) was detected at the background site at approximately 30 times higher than in the effluent sample and test site sample. Chlorophyll a (corrected) values measured in the Perdido Bay and Bayou Marcus Creek samples were below estuarine-specific numeric interpretations of the narrative nutrient criterion.

Please see Table 2 for the wetland monitoring site chlorophyll a results for the last permit cycle.

The unionized ammonia monitoring at the wetland exit points is removed from this permit. Please see Table 2 for a summary of the past 5 years of data. The results are consistently below the limit of 0.02 mg/L as N. The discharge from wetlands is to Perdido Bay, a marine water body. Therefore, there is not an applicable ammonia water quality standard.

The total phosphorus and total nitrogen at the wetland exit points are consistently below the wetland exit point discharge limits established by Rule 62-611.450, FAC. Please see Table 2 summarizing the wetland monitoring nutrient data.

Carbonaceous Biological Oxygen Demand 5-day (CBOD5)/Total Suspended Solids (TSS)/Total Nitrogen (TN)/Total Phosphorus (TP): Effluent limits for this facility are at an advanced wastewater treatment (AWT) level for CBOD5, TSS, TN and TP of 5, 5, 3, 1 mg/L respectively as an annual average, as is required by Rule 62-611.420, FAC. Monthly, Weekly, and Single Sample limits for these constituents are based on multipliers of the annual average. This facility has an existing discharge to a water body that does not meet the following water quality criteria: chlorophyll a. The facility was discharging to this downstream water body during the years that the NNC criteria was established. The permit includes effluent AWT limits for Total Nitrogen and Total Phosphorus and wetland exit point discharge limits for TN and TP and reports chlorophyll a. The Department is allowing this discharge to the proposed impaired waters because the facility has provided reasonable assurance through compliant permit operation and wetland monitoring that demonstrates low chlorophyll a at the wetland exit points such that the discharge will not cause or contribute to violations of this water quality standard in upper Perdido Bay.

Table 2. Wetland Monitoring Nutrient Data

Date	Total Phosphorus (Limit 0.2 mg/L annual avg)		Total Nitrogen (Limit 3.0 mg/L annual avg)		Chlorophyll a (Limit "Report" ug/L max)				Unionized Ammonia (Limit 0.02 mg/L annual avg)			
	WEP-S3	WEP-N4	WEP-S3	WEP-N4	WIM-N1	WIM-S2	WEP-S3	WEP-N4	WEP-S3	WEP-N4		
12/31/2012	0.02	0.12	1.22	0.96	2.70		2.70	0.50	<	0.02	<	0.02
3/31/2013	0.02	0.11	0.94	0.78	2.70	27.00	0.50	2.70				
6/30/2013	0.01	0.12	0.61	0.57	2.70	1.80	0.50	0.50	<	0.02	<	0.02
9/30/2013	0.01	0.11	0.52	0.51	1.10	2.10	1.90	0.53	<	0.02	<	0.02
12/31/2013	0.01	0.13	0.53	0.62		5.10	1.90	0.80	<	0.02	<	0.02
3/31/2014	0.01	0.14	0.52	0.6		0.80	0.50	0.50	<	0.02	<	0.02
6/30/2014	0.01	0.11	0.52	0.66		5.60	11.00	1.30	<	0.02	<	0.02
9/30/2014	0.01	0.16	0.55	0.65		27.00	3.00	2.10	<	0.02	<	0.02
12/31/2014	0.01	0.14	0.55	0.57		5.10	1.60	1.30	<	0.02	<	0.02
3/31/2015	0.01	0.12	0.56	0.63		7.20	2.10	1.60	<	0.02	<	0.02
6/30/2015	0.01	0.10	0.57	0.64		5.60	1.30	0.50	<	0.02	<	0.02
9/30/2015	0.01	0.05	0.51	0.63		4.80	2.70	0.80	<	0.02	<	0.02
12/31/2015	0.01	0.03	0.54	0.61		13.00	1.90	0.80	<	0.02	<	0.02
3/31/2016	0.01	0.04	0.56	0.59		7.50	0.80	1.10	<	0.02	<	0.02
6/30/2016	0.01	0.04	0.55	0.58		16.00	4.00	1.30	<	0.02	<	0.02
9/30/2016	0.02	0.04	0.60	0.73		13.00	4.80	0.50	<	0.02	<	0.02
12/31/2016	0.01	0.06	0.60	0.7		6.80	3.20	0.90		0.00001		0
3/31/2017	0.01	0.07	0.60	0.7		15.50	2.60	0.90		0.00005		0.00022
6/30/2017	0.01	0.08	0.60	0.7		8.30	5.30	2.00		0.00006		0.00023
9/30/2017	0.01	0.08	0.60	0.6		11.60	2.30	1.50		0.00007		0.00025
12/31/2017	0.01	0.09	0.60	0.6		2.80	1.10	0.55		0.00008		0.00028

METALS:

Hardness-based copper was previously monitored in the last permit cycle. Based on that data set, copper was determined to no longer be a parameter of concern. Please see attached for copper compliance data from December 2012 to December 2017. The copper compliance calculation result is consistently below the hardness-based limit. No metals are monitored in the effluent as these are not parameters of concern. Furthermore, the department receives the annual pretreatment results for influent and effluent sampling that includes metals.

MERCURY:

Statewide TMDL for Mercury, Rule 62-304.900(1), F.A.C., requires domestic wastewater facilities with a permitted capacity of greater than one MGD that demonstrate quantifiable mercury (total) levels in their effluent prepare and implement a mercury minimization plan addressing sources of mercury within their jurisdiction.

<https://www.flrules.org/gateway/ruleno.asp?id=62-304.900>

DEP Mercury TMDL for the State of Florida, can be found at the following link:

<https://floridadep.gov/sites/default/files/Mercury-TMDL.pdf>

ECUA Bayou Marcus WRF is permitted for a capacity of 8.2 MGD, therefore, the DEP Mercury TMDL does apply. See table below for expanded effluent testing results which shows mercury was quantifiable and above the MDL. Therefore, the facility needs to prepare and implement a mercury minimization plan for this permit as described in the schedule.

Mercury Results from Expanded Effluent Testing			
Maximum Daily Discharge		Analytic Method	MDL/PQL
Conc.	Units		
0.00093	ug/L	1631E	0.0005/0.0002

WHOLE EFFLUENT TOXICITY (WET):

This facility is required to conduct Whole Effluent Toxicity Testing for this discharge based on being a major facility, pursuant to Rule 62-620.620(3)(a)1, F.A.C. Semi-annually testing frequency is continued in this renewal permit.

CONCLUSION:

Based on the information included in the LEVEL I WQBEL, it has been determined that no limits, other than those included in this permit are needed to maintain Florida water quality standards. A reopener condition is included as the Department may develop a Total Maximum Daily Load (TMDL) for upper Perdido Bay (WBID #797) during the life of the permit. Once a TMDL for upper Perdido Bay (WBID #797) has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL, pursuant to Rule 62-620.325, F.A.C.

Attachment:

ECUA-Bayou Marcus WRF Effluent Copper Data

ECUA - Bayou Marcus WRF Effluent Copper Compliance

