Effluent Quality Assessment of Camp Blanding JTC WWTF Clay County NPDES # FL0022853 Sampled December 14, 2020

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
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DEP Laboratory, Biology Program
2600 Blair Stone Road, MS 6515
Tallahassee, FL 32399-2400
www.floridadep.gov

Contents

Summary of Results 3
Facility Overview 3
Methods 3
Results 5
Literature Cited 7
Appendix A. Facility Summary 12
Appendix B. Explanations of Measurements 26
Appendix C. Chain of Custody 28
Appendix D. Chemical Analysis of Effluent and Receiving Water 30

List of Tables

Table 1. Measured field parameters 8
Table 2. Analytical water chemistry, microbiological, and toxicological data 9
Table 3. Analytical metals data 10
Table 4. Algal Growth Potential (AGP) 11

List of Figures

Figure 1. Map of Facility and Discharge Location 4

Summary of Results

Total residual chlorine of the effluent exceeded permit limits. Total residual chlorine and alkalinity of the effluent sample did not meet Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.). The nutrients and AGP results do not indicate a potential for nutrient enrichment of the receiving waters due to effluent discharge.

Facility Overview

The Camp Blanding JTC Facility is a domestic wastewater treatment facility. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), Consent Order (CO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. The effluent is continuously discharged into the South Fork of Black Creek, a Class III freshwater creek, WBID # 2415E (Figure 1).

Black Creek falls within the Peninsular Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC, expressed as annual geometric means, are 0.12 mg/L total phosphorus and 1.54 mg/L total nitrogen (62-302.531(2)(c), F.A.C.). Black Creek falls within the Northeast bioregion; the daily average percent DO saturation shall not be below 34 percent saturation in more than 10 percent of the values (62-302.533(1)(a), F.A.C.). This FYI event only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment. http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria

Methods

Effluent grab and composite samples were taken from monitoring site location EFD-1 for outfall D-001 on December 14, 2020 (Figure 1). For this event, 24-hour flow proportioned composite samples were collected; permit limits are based on 8-hour flow proportioned composite samples for CBOD and total suspended solids. Samples were collected by Paul Duff (DEP Northeast District Office). Microbiology analyses were conducted by ALS Environmental in Jacksonville.

All field and laboratory methods followed DEP Standard Operating Procedures (see https://floridadep.gov/dear/quality-assurance/content/dep-sops and https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops for details) and met DEP quality assurance/quality control standards (see https://floridadep.gov/dear/quality-assurance). Explanations of specific methods and measurements can be found in Appendix B.

All references to 62-302.530, F.A.C. are to the surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.

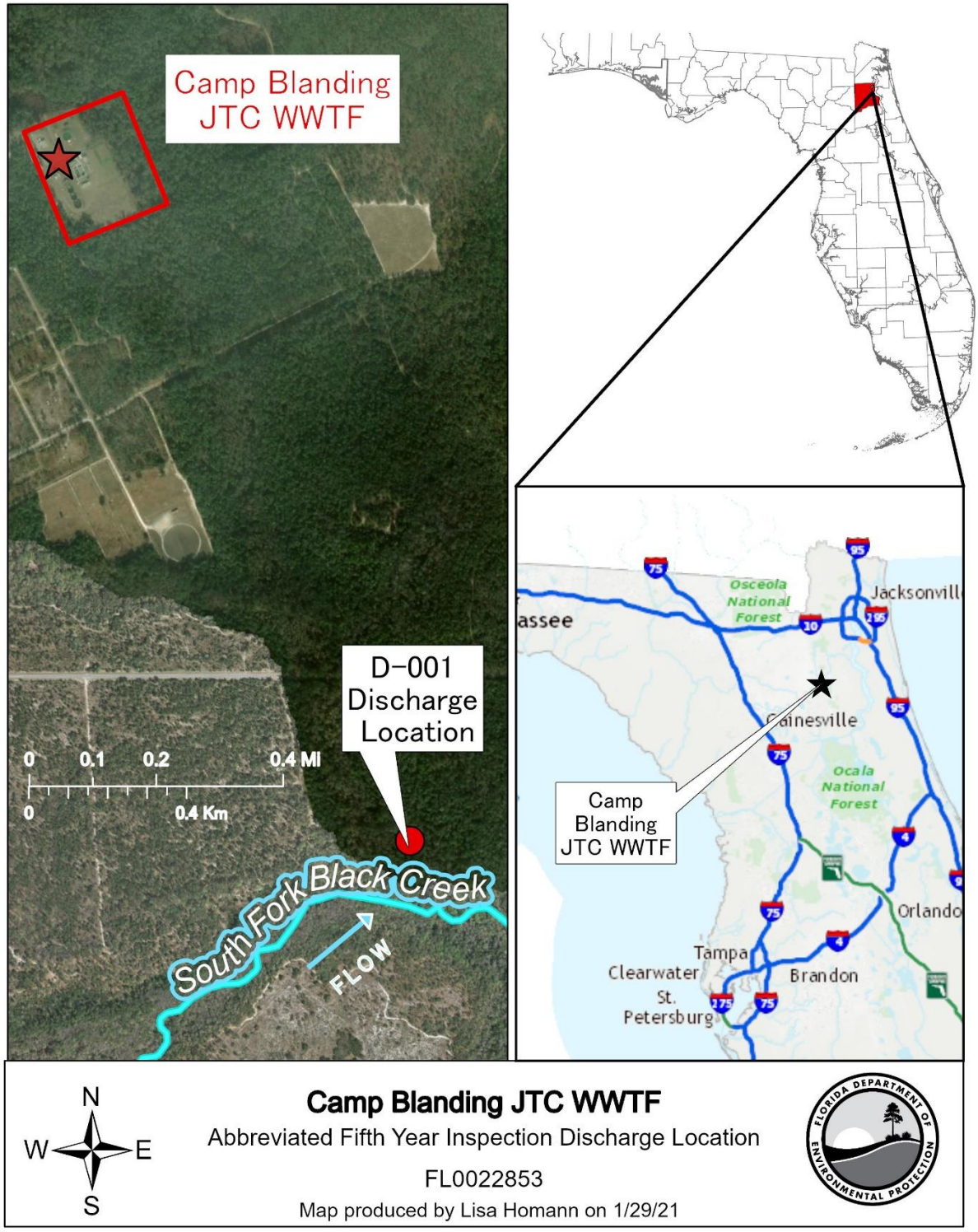


Figure 1. Map of Facility and Discharge Location

Results

Physical and Chemical Parameters (See Table 1 and Appendices C and D)

- Total residual chlorine of the effluent exceeded the effluent permit limit and Class III Freshwater Water Quality Criterion (62-302.530(18), F.A.C.).

Analytical Water Chemistry (See Table 2 and Appendix D)

- Alkalinity in the effluent grab sample was below the minimum value for Class III Freshwater Water Quality Criterion (62-302.530(1), F.A.C.). The value was J qualified due to a precision measurement being outside of control limits.

Microbiology (See Table 2 and Appendix B)

- *Escherichia coli* and fecal coliform were not detected in the effluent sample and therefore complied with Class III Freshwater Water Quality Criterion (62-302.530(6)(b)), F.A.C.) and facility permit limits.

Toxicity Whole Effluent Test (See Table 2)

- Acute tests were performed December 14 through 19, 2020.

- Acute bioassay results are reported as the Concentration Lethal to 50% of the test organisms (LC50). In a 96-hour acute screening test of 100% effluent, mortality of <20% provides confidence that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule and 62-302.500(1)a, F.A.C.). Mortality between 20 and 50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% indicates that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3) (a), F.A.C.).

- For the 96-hour acute screening test, the calculated LC50 for the water flea, *Ceriodaphnia dubia*, was >100% effluent with 10% mortality in 100% sample. The calculated LC50 for the fish, *Cyprinella leedsi*, was >100% effluent with 0% mortality in 100% sample. The effluent sample was not toxic to the to the water flea, *C. dubia*, or fish, *C. leedsi*, during the 96-hour acute screen bioassays and therefore complied with effluent permit limits.

- For more information or to obtain copies of the toxicity bench sheets, please contact the Biology Laboratory at 850-245-8177.

Metals (See Table 3 and Appendix D)

- Effluent metals were detected at levels that complied with Class III Freshwater Quality Criteria (62-302.530, F.A.C.). There are no effluent permit limits for metals.

Algal Growth Potential (See Table 4 and Appendix B)

- The freshwater unicellular green alga, *Pseudokirchneriella subcapitata*, was used to determine the AGP values in the effluent. Although the measured AGP was not detected for the effluent, predicted AGP was very high compared to the measured AGP value. Comparing the measured and predicted AGP results, an inference can be made that not all the nutrients in the effluent were bio-available to the test species. To determine actual nutrient limitation, a limiting-nutrient algal growth potential test would need to be performed (Maloney et al. 1974). Another possible explanation in the standard method is the presence of toxicants can inhibit or prevent algal growth even when nutrients are not growth-limiting (USEPA 1978).

- Total Kjeldahl nitrogen was not detected in the effluent sample. Using ½ the method detection limit (MDL) for Kieldahl nitrogen in the calculation for total nitrogen to phosphorus ratio, the ratio value suggests that the effluent is nitrogen-limited (Miller et al. 1978).

Organic Constituents (See Appendix D)

- There are no effluent permit limits for organic constituents.

- Hexachlorocyclopentadiene was detected in the effluent grab sample between the MDL and PQL. It is an intermediate in the manufacture of some pesticides.

Literature Cited

Maloney, T. E., Miller, W. E. and Specht, D. T. 1974. The Marine Algal Assay Procedure: Bottle Test. National Environmental Research Center Office of Research and Development. U. S. EPA, Corvallis, Oregon. 43 p.

Miller, W. E., Maloney, T. E. and Greene, J. C. 1978. The *Selenastrum capricornutum* Printz algal assay bottle test. EPA600/978-018. U. S. EPA, Cincinnati, Ohio. 126 p.

Stevenson, R. J. and Bahls, L. L. 1999. Periphyton protocols. Pp. 6.1-6.22 in: Rapid bioassessment protocols for use in wadeable streams and rivers. 2nd edition. By: M. T. Barbour, J. Gerritsen, B. D. Snyder and J. B. Stribling. EPA 841-B-99-002. U. S. Environmental Protection Agency, Office of Water, Washington, D. C.

USEPA. 2000. Nutrient Criteria Technical Guidance Manual – River and Streams. EPA-822-B-00-002.

Table 1. Measured field parameters

Effluent limits, Class III Freshwater Water Quality Criteria, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Temperature	C	-	Report	18.7
pH	SU	6.0 - 8.5	6.0 - 8.5 s	6.6
Specific Conductance	umhos/cm	≤ 1,275	-	430.5
Salinity	ppt	-	-	0.2 c
Dissolved Oxygen	mg/L	-	≥ 5.0 s	8.5
Dissolved Oxygen	% saturation	≥ 34	≥ 38	91.5
Total Residual Chlorine	mg/L	≤ 0.01	≤ 0.01 s	0.08 e

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
e - Value exceeds the Class III Water Quality Criteria or permit limits
c - Value is calculated
s - Single sample

Table 2. Analytical water chemistry, microbiological, and toxicological data

Effluent limits, Class III Freshwater Water Quality Criteria, and analytical water chemistry, microbiological, and toxicological data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Effluent Composite
Ortho-phosphate	mg P/L	-	Report	3.1	-
Total Phosphorus	mg P/L	≤ 0.12 g	Report	3.3	3.3
Total Ammonia	mg N/L	≤ 5.74 s	≤ 5.74 s	0.028	0.028
Un-ionized Ammonia (calculated salinity)	mg N/L	-	-	< 0.02 c	-
Nitrate and Nitrite	mg N/L	-	Report	26	27
Total Kjeldahl Nitrogen	mg N/L	-	Report	0.40 U	0.40 UJ
Organic Nitrogen	mg N/L	-	Report	0.17 c	0.37 c
Total Nitrogen	mg N/L	≤ 1.54 g	Report	26 c	27 c
Total Organic Carbon	mg C/L	-	-	4.6	4.9
Chlorophyll *a* - Corrected	ug/L	-	-	0.82 U	-
Phaeophytin	ug/L	-	-	0.90 U	-
CBOD, 5 day, N - inhibited	mg/L	-	≤ 60.0 s p	3.9	4.0 Q
Total Suspended Solids	mg/L	-	≤ 60.0 s p	-	2 U
Turbidity	NTU	< 29 t	-	0.50	-
Color (true)	PCU	-	-	4.8 I	-
Alkalinity	mg CaCO3/L	≥ 20	-	19 AJ e	-
Chloride	mg Cl/L	-	-	37	-
Fluoride	mg F/L	≤ 10.0	-	0.11	-
Sulfate	mg SO4/L	-	-	15	-
Fecal Coliforms	cfu/100 mL	-	≤ 800 s	1.0 U	-
Escherichia coli	MPN/100 mL	≤ 410	≤ 410	1.0 U	-
Bioassay - Water flea *(Ceriodaphnia dubia)*	% effluent	-	≥ 100 s	> 100	-
Bioassay - Fish *(Cyprinella leedsi)*	% effluent	-	≥ 100 s	> 100	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
e - Value exceeds the Class III Water Quality Criteria or permit limits
c - Value is calculated
g – Value expressed as an annual geometric mean
p - 8 hour flow proportioned composite
s - Single sample
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
Q - Sample held beyond normal holding time
U - Material analyzed for but not detected; value reported is the method detection limit

Table 3. Analytical metals data

Effluent limits, Class III Freshwater Water Quality Criteria, and analytical metals data

Analyte	Units	Effluent Grab Class III Criteria	Effluent Permit Limits	Effluent Grab
Hardness	mg CaCO3/L	-	-	119 c
Aluminum	ug/L	-	-	29
Arsenic	ug/L	≤ 50	-	0.38
Cadmium	ug/L	≤ 0.307 b	-	0.047 I
Calcium	mg/L	-	-	35.8
Chromium, Total	ug/L	≤ 99.2[1] b	-	0.40 U
Copper	ug/L	≤ 10.8 b	-	6.98
Iron	ug/L	≤ 1,000	-	120
Lead	ug/L	≤ 3.96 b	-	0.20 U
Magnesium	mg/L	-	-	7.13
Nickel	ug/L	≤ 60.3 b	-	1.3 I
Potassium	mg/L	-	-	7.8
Selenium	ug/L	≤ 5.0	-	0.20 U
Silver	ug/L	≤ 0.07	-	0.010 U
Sodium	mg/L	-	-	29.5
Zinc	ug/L	≤ 139 b	-	47

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
b - Value is calculated based on hardness, (62-302.530(3))
c - Value is calculated
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
U - Material analyzed for but not detected; value reported is the method detection limit
1 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III

Table 4. Algal Growth Potential (AGP)

Measured and predicted algal growth potential (AGP; mg dry weight/L) for total soluble inorganic nitrogen (TSIN), ortho-phosphate (OP), total nitrogen (TN) and total phosphorus (TP) limitation and ratios of nitrogen to phosphorus

Location	Test Species	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (OP) ± 20%	Predicted AGP (TN) ± 20%	Predicted AGP (TP) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Grab	*Pseudokirchneriella subcapitata*	0.300 U	989.1 ± 197.8	1,333 ± 266.6	995.6 ± 199.1 [2]	1,419 ± 283.8	8.4	7.9 [2]

U - Material analyzed for but not detected; value reported is the method detection limit

2 - non-detect in the analytical chemistry; predictions and N:P ratios were calculated using 1/2 MDL

Appendix A. Facility Summary

State of Florida
Department of Environmental Protection
Facility Introduction & Summary

PART I: Information gathered prior to sampling event

Prepared By: Shannon Taylor	**Contact Number:** (904) 256-1617
Facility Name (as it appears on permit): Camp Blanding JTC WWTF	**Former Names:** N/A
NPDES Permit Number: FL0022853	**Permit Expiration Date:** December 4, 2022
Physical Address: State Rd. 16 W, Starke, Florida 32091	
District: Northeast	**County:** Clay
Function of Facility: The function of this facility is to treat domestic wastewater of the Camp Blanding collection system to the standards of the National Pollutant Discharge Elimination Systems (NPDES) program.	
Facility Type: Domestic Wastewater	**Permitted Capacity (MGD):** 0.900 million gallons per day (MGD)

Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): 0.121

Date	Monthly Average of Flow in MGD
9/30/2020	0.181
8/31/2020	0.165
7/31/2020	0.133
6/30/2020	0.141
5/31/2020	0.070
4/30/2020	0.085
3/31/2020	0.102
2/29/2020	0.138
1/31/2020	0.128
12/31/2019	0.096
11/30/2019	0.112
10/31/2019	0.101

If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months): N/A

Description of type of Discharge:
☒ **Continuous** ☐ **Intermittent** ☐ **Seasonal** ☐ **Rainfall Dependent**
☐ **Other, please specify:**

Description of Sampling Location(s) - actual permit designation of permitted sampling point(s):

Monitoring Site	Description of Monitoring Site
EFA-1	Effluent, immediately after disinfection prior to dechlorination
EFD-1	Effluent, immediately after dechlorination prior to discharge
CAL-1	Calculated value
SWB-1	Approximately 150 feet upstream of outfall D-001
SWD-1	Effluent at outfall D-001, approximately 7,000 feet south of the WWTF
SWD-2	Approximately 150 feet downstream of outfall D-001

Description of Permitted Outfall(s):

Surface Water Discharge (D-001): An existing 0.90 MGD annual average daily flow (AADF) to the South Fork Black Creek (Class III Fresh Waters, WBID # 2415E) thought the Outfall D-001 which is a 30" vitreous clay pipe approximately 7,000 feet in length and discharging at a depth of 1.5 feet. The point of discharge (POD) is located approximately at latitude 29°55' 59" N, longitude 81°57' 12" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):

This facility is an existing 0.900 million gallons per day (MGD) annual average daily flow (AADF) permitted capacity sequencing batch reactor (SBR) wastewater treatment facility (WWTF). Primary treatment units consist of one Parkson Aquaguard mechanical grit removal screen, a manual bar rack with 1-inch openings and a flow splitter box directing flows to the four SBR basins for the fill, aeration (react), clarification (settle) and draw (decant) treatment operations. SBR basins #1 and #2 are 97,951-gallons each, basin #3 is 195,901-gallons and basin #4 is 391,802-gallons. Decanted effluent from the SBR basins is sent to two separate 59,840-gallon chlorine contact chambers for disinfection by liquid sodium hypochlorite and dechlorination by sodium bisulfite solution. Treated effluent from the chlorine contact chamber is sent into a 16" ductile iron pipe (DIP) eastward into a manhole from there it enters a 30" vitreous clay pipe for discharge to South Fork of Black Creek. Waste activated sludge is transferred from the SBR to a holding tank to a wet-well for pumping to a 600,000-gallon aerobic digester.

PART I: Continued

List <u>current</u> Effluent Limits of Outfall(s) to be Sampled: This should include any AO or CO limits the facility may be under
(Leave cell blank if not applicable)

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
BOD, Carbonaceous 5-day, 20ºC	mg/L	Max	20.0	Annual Average	Weekly	8-hr FPC	EFD-1	
		Max	25.0	Monthly Average				
		Max	40.0	Weekly Average				
		Max	60.0	Single Sample				
CBOD, % Removal, 5-day	percent	Min	85	Monthly Average	Monthly	Calculated	CAL-1	
Solids, Total Suspended	mg/L	Max	20.0	Annual Average	Weekly	8-hr FPC	EFD-1	
		Max	30.0	Monthly Average				
		Max	45.0	Weekly Average				
		Max	60.0	Single Sample				
Solids, Total Suspended, % Removal	percent	Min	85	Monthly Average	Monthly	Calculated	CAL-1	

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Escherichia coli Bacteria	#/100mL	Max	126	Monthly Geometric Mean	Weekly	Grab	EFD-1	See I.A.4
		Max	410	90th Percentile				
Coliform, Fecal	#/100mL	Max	200	Annual Average	Weekly	Grab	EFD-1	See I.A.4
		Max	200	Monthly Geometric Mean				
		Max	800	Single Sample				
pH	s.u.	Min	6.0	Single Sample	5 Days/Week	Grab	EFD-1	See IA.7
		Max	8.5	Single Sample				
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Grab	EFA-1	See IA.5
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Weekly	Grab	EFD-1	
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	5 Days/Week	Grab	EFD-1	See I.A.6
Ammonia (Total Ammonia Nitrogen) (TAN) ***(Effluent)***	mg/L	Max	Report	Single Sample	Bi-weekly (Every 2 week)	Grab	EFD-1	See I.A.5
		Max	Report	Monthly Average				

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Nitrogen, Total Ammonia (TAN) (as N) (Limits)	mg/L	Max	Report	Monthly Average	Bi-weekly (Every 2 week)	Calculated	CAL-1	See I.A.7
	mg/L	Max	Report	Single Sample				
Nitrogen, Total Ammonia (TAN) (as N) (Compliance)	mg/L	Max	0.0	Monthly Average	Bi-weekly (Every 2 week)	Calculated	CAL-1	See I.A.7
	mg/L	Max	0.0	Single Sample				
Temperature (ºC), Water	Deg ºC	Max	Report	Single Sample	Bi-weekly (Every 2 week)	Meter	EFD-1	See I.A7
Nitrogen, Total	mg/L	Max	Report	Single Sample	Quarterly	Calculated	CAL-1	
Nitrogen, Total, Load	lb/qtr	Max	Report	Quarterly Total	Quarterly	Calculated	CAL-1	See I.A.8
	lb/yr	Max	12,761	Annual Total				
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	8-hr FPC	EFD-1	
Nitrogen, Organic, Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	8-hr FPC	EFD-1	
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Quarterly	8-hr FPC	EFD-1	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Quarterly	8-hr FPC	EFD-1	

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Phosphorus, Total (as P)	lb/qtr	Max	Report	Quarterly Total	Quarterly	Calculated	CAL-1	See I.A.8
	lb/yr	Max	2,971	Annual Total				
Phosphate, Ortho (as P)	mg/L	Max	Report	Single Sample	Quarterly	Filtered Grab	EFD-1	
Acute Whole Effluent Toxicity, 96-hr LC50 (*Ceriodaphnia dubia*)	percent	Min	100	Single Sample	Semi-Annually; twice per year	Single grab during discharge	EFD-1	See I.A.9
Acute Whole Effluent Toxicity, 96-hr LC50 (*Cyprinella leedsi*)	percent	Min	100	Single Sample	Semi-Annually; twice per year	Single grab during discharge	EFD-1	See I.A.9
BOD, Carbonaceous 5-day, 20ºC	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Escherichia coli Bacteria	#/100mL	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
pH	S.U.	Max	Report	Single Sample	Quarterly	Meter	SWB-1 SWD-1 SWD-2	See I.A.10
Dissolved oxygen	mg/L	Min	Report	Single Sample	Quarterly	Meter (@ Mid Depth)	SWB-1 SWD-1 SWD-2	See I.A.10

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Temperature	Deg ºC	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Total nitrogen (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1	See I.A.10
Total nitrogen (as N)	mg/L	Max	Report	Annual Geometric Mean	Quarterly	Grab	SWD-2	See I.A.10
		Max	Report	Single Sample				
Total Kjeldahl nitrogen (TKN), as N	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Total ammonia (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Nitrite nitrogen + nitrate nitrogen (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Total phosphorus (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	SWB-1 SWD-1 SWD-2	See I.A.10

			Effluent Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/ Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Total phosphorus (as P)	mg/L	Max	Report	Annual Geometric Mean	Quarterly	Grab	SWD-2	See I.A.10
			Report	Single Sample				
Ortho-Phosphate (as P)	mg/L	Max	Report	Single Sample	Quarterly	Filtered Grab	SWB-1 SWD-1 SWD-2	See I.A.10
Biological Assessment and SCI Assessment	-	-	Report	Single Sample	One Every 5 Years	-	SWB-1 SWD-2	See I.A.11

			Limitations		Monitoring Requirements			
Parameter	**Units**	**Max/Min**	**Limit**	**Statistical Basis**	**Frequency of Analysis**	**Sample Type**	**Monitoring Site Number**	**Notes**
Flow	MGD	Max	0.900	Annual Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-1	See I.B.4
		Max	Report	Monthly Average				
		Max	Report	Quarterly Average (TMADF)				
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Total	Monthly	Calculated	CAL-1	See I.B.10
BOD, Carbonaceous 5-day, 20ºC (Influent)	mg/L	Max	Report	Monthly Average	Monthly	8-hr TPC*	INF-1	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	Monthly	8-hr TPC*	INF-1	See I.B.3

PART I: Continued	
Receiving Waters: South Fork of Black Creek	**Classification (indicate whether fresh or marine):** Class III Fresh

Toxicity Test Requirements (routine and/or additional test language, test species, salinity adjustment, etc.):

a. Effluent Limitation

(1) In any routine or additional follow-up test for acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent. [Rules 62-302.200(1), 62-302.500(1)(a)4., 62-4.244(3)(a), and 62-4.241, F.A.C.]

b. Monitoring Frequency

(1) Routine toxicity tests shall be conducted once every six months, the first starting within 6 months of the most recent tests and lasting for the duration of this permit.

c. Sampling Requirements

(1) Tests shall be conducted on a single grab sample collected during a discharge event in an 8-hour day. The times of discharge shall be documented on the chain of custody.

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%**, and **12.5%** effluent.

(2) The permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnid, ***Ceriodaphnia dubia***, and the bannerfin shiner, ***Cyprinella leedsi***, concurrently.

(3) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th Edition, EPA-821-R-02-012. 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 acute 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-02-012, Table 7.

e. Quality Assurance Requirements

(1) A standard reference toxicant (SRT) quality assurance (QA) acute 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 acute 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 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated. The repeat test shall begin within 14 days after the last day of the invalid test.

(3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 10% 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 concentration-response relationship, as required by EPA-821-R-02-012, Section 12.2.6.2., and included with the bioassay laboratory reports.

f. Reporting Requirements

(1) Results from all required tests shall be reported **monthly** on the Discharge Monitoring Report (DMR) as the calculated LC50 value for that test species.

(2) A **bioassay laboratory report** for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review, and mailed or **e-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-02-012, Section 12, and mailed or **e-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 mailed or **e-mailed** to *Jacksonville* only:

g. Test Failures
(1) A test fails when the test results do not meet the limits in 9.a.(1).
(2) Additional Follow-up Tests: (a) If a routine test does not meet the acute toxicity limitation in 9.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 9.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 additional follow-up tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 75%, 50%, 25%, and 12.5% effluent. The permittee may modify the dilution series in the additional follow-up tests to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control are run. All test results shall be statistically analyzed according to the procedures in EPA-821-R-02-012.
(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 9.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 9.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-012, a repeat test shall be initiated within 14 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 9.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.
(g) If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 14 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) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for whole effluent toxicity failures.

Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.):
N/A

Facility Mixing Zone Details (if applicable):
N/A

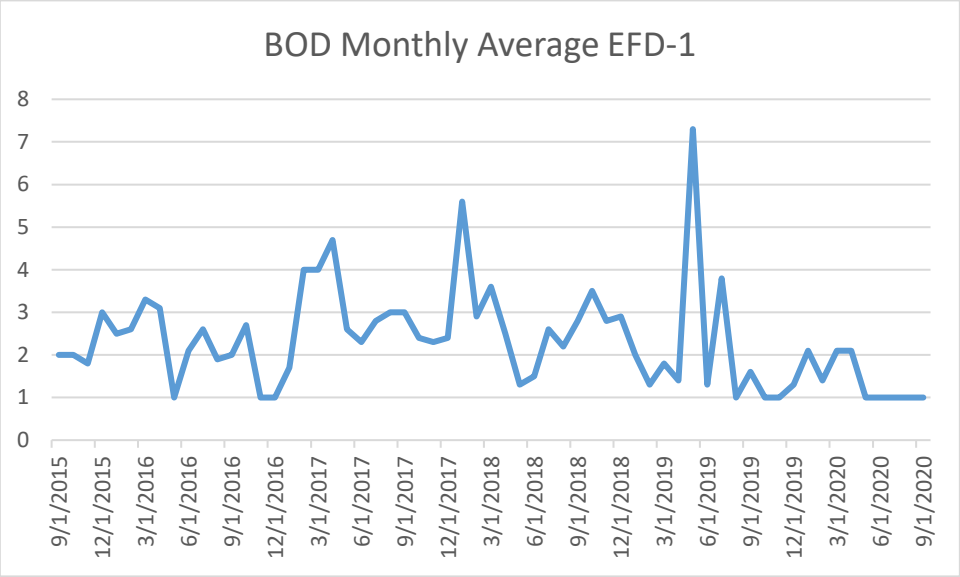
List Permit Violations (DMR data) and plant upsets that occurred at the plant within the last year: N/A

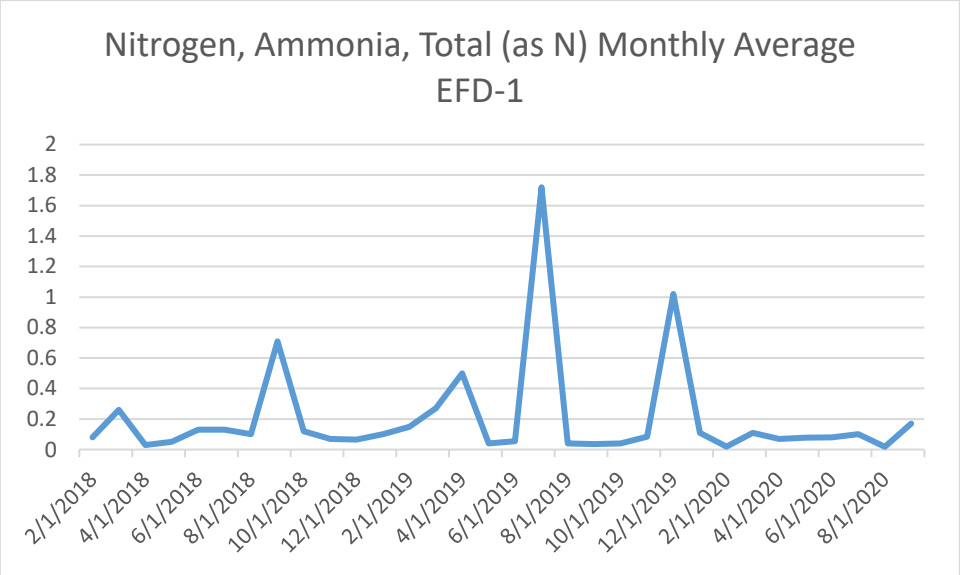
Describe previous FYI and WQBEL study:
N/A

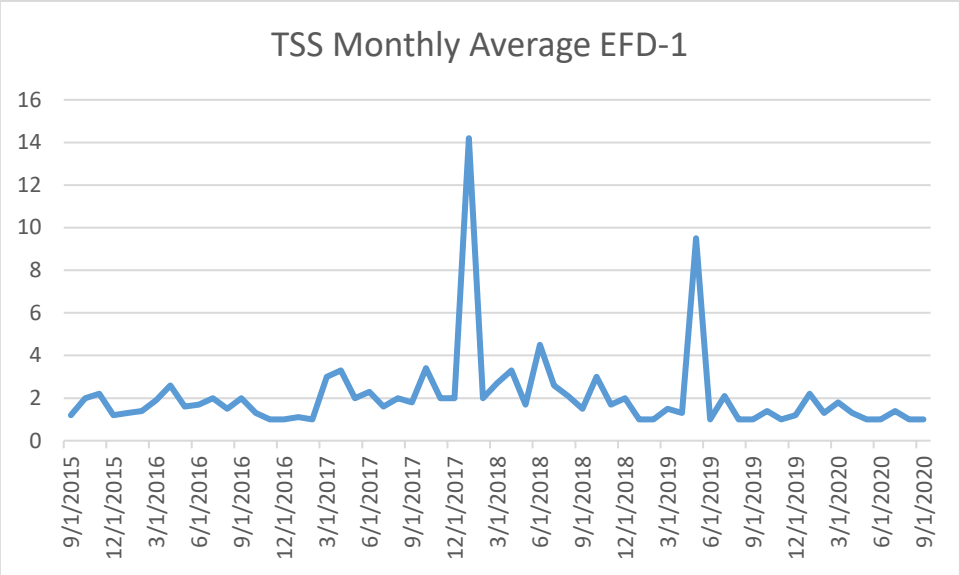
Describe previous or current Enforcement Actions (including WLs):
N/A

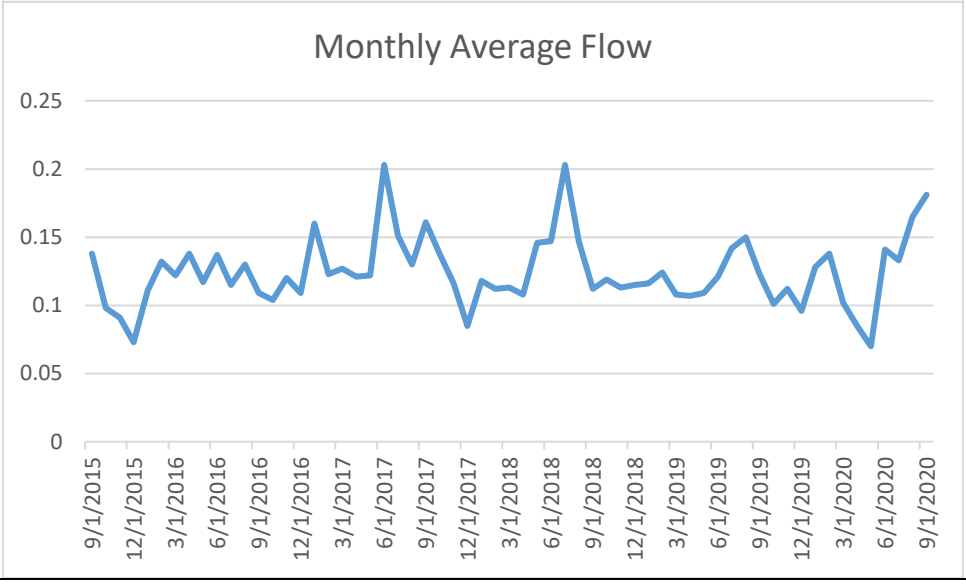
Describe any violations or problems noted in previous inspection:
2017 CEI – Expired certifications of NIST thermometers in composite samplers
2017 CEI – Facility has not reported exceedances to FDEP with 24 hours of becoming aware of the incident
2017 CEI – Facility did not have returned copies of manifests signed by the receiving RMF (East Star).
2019 CEI – Lab certification was not on-site during inspection

Discuss whether DMR trends within previous five years are improving or declining:
It does not appear that there are any increasing or decreasing trends in the DMR data as seen in examples below.









Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse):
Facility has been consistently in meeting the permit effluent limits.

Appendix B. Explanations of Measurements

Biological assessments are prepared by DEP staff to provide information for review of NPDES permit renewal applications. Biological assessments, in conjunction with other information concerning the subject facility and its receiving-water body, are used to determine appropriate permit conditions. References to Rule 62-302.530, F.A.C., are to the currently applicable surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.

- **Chemical Analyses of the Effluent**

  The effluent was analyzed for nutrients, metals, organic constituents (base, neutral, and acid extractables) and pesticides following DEP SOPs. The results from these analyses were compared with Water Quality Criteria (62-302, F.A.C.) and facility permit limits.

- **Toxicity Bioassays**

  Greater than 50% mortality in an acute toxicity test may constitute an exceedance of 62-302.500(1)a and/or facility permit limits. A 25% inhibition concentration (IC25) is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of 62-302.530(20), 62-302.530(62) and/or facility permit limits. A no observed effect concentration (NOEC) less than 100% effluent in a chronic test may constitute an exceedance of 62-302.530(62) and/or facility permit limits. Standard reference toxicant (SRT) tests are conducted monthly to ensure quality in toxicity testing.

- **Bacteriological Testing**

  High levels of fecal indicator bacteria may constitute an exceedance of 62-302.530(6) and/or facility permit limits. Fecal coliform results often are based on colony counts outside the acceptable range (B-qualifier). The dilutions performed on the sample did not yield results within the method acceptable range of 20- 60 colony forming units per plate. The B-qualifier does not affect data quality.

- **Algal Growth Potential (AGP)**

  The algal growth potential (AGP) value is the peak growth of the alga within that 14-day period, recorded as mg dry weight/L. AGP results within the range 6.10 to 20.0 mg dry wt/L are suggested to be representative of high productivity for freshwaters (Miller et al. 1978). High AGP values may constitute exceedances of 62-302.530(47), F.A.C., 62-302.530(48)(a), F.A.C. and/or 62-302.530(48)(b), F.A.C..

  The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of ± 20%. When the ratio of nitrogen to phosphorus (N: P) is less than 10:1, nitrogen limitation of algal production is likely. When the N: P ratio is 20:1 or greater,

phosphorus limitation is likely (USEPA 2000). For ratios in-between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may constitute an exceedance of 62-302.530(62), F.A.C.

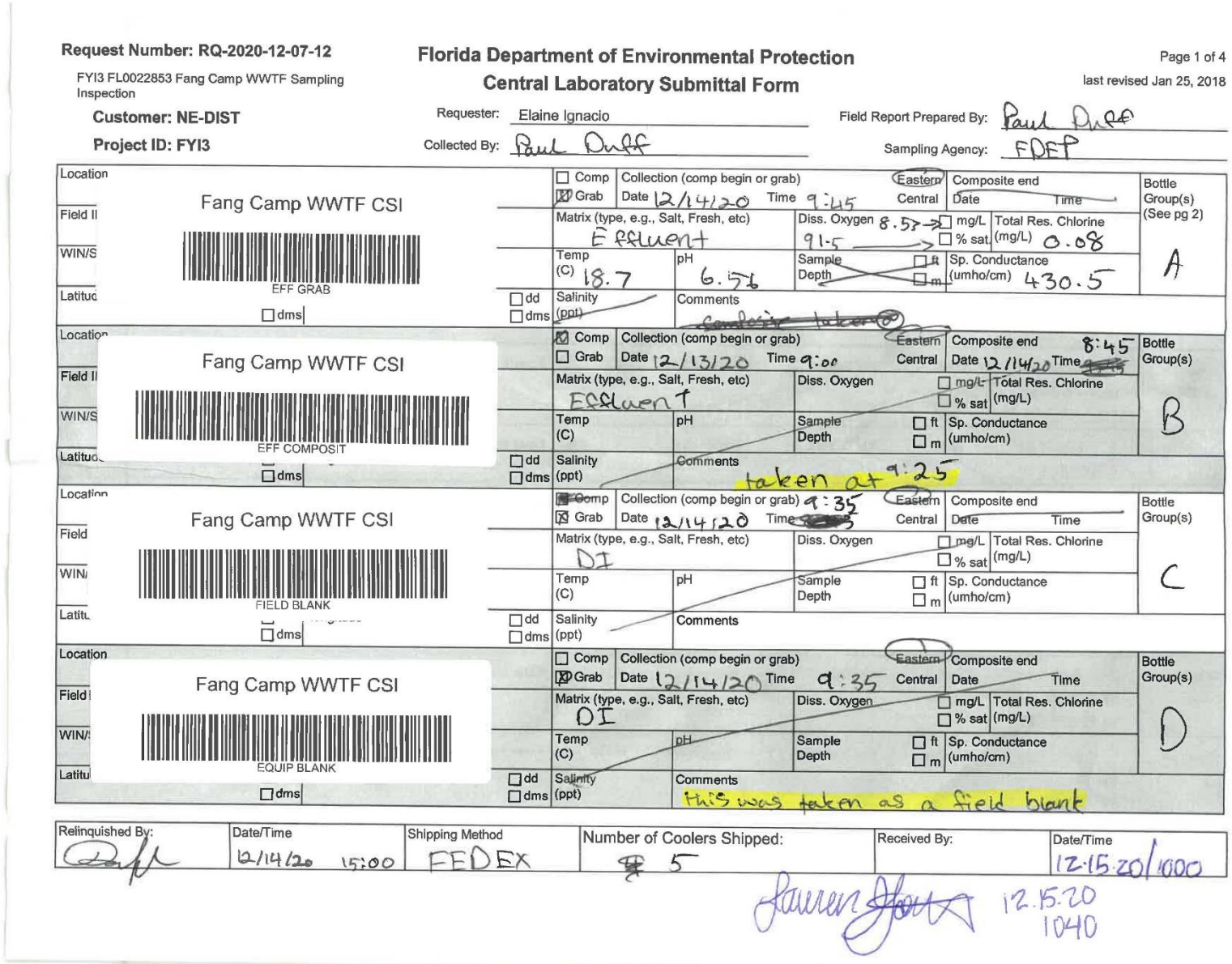
- **Chlorophyll *a* Content**

  Chlorophyll *a* content is an estimate of algal biomass. High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and may be constitute exceedances of 62-302.530(47), F.A.C., 62-302.530(48)(a) F.A.C. and/or 62-302.530(48)(b) F.A.C..

- **Definition of Qualifiers**

  A - Value reported is the mean of two or more determinations
  B - Results based on colony counts outside the acceptable range.
  I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
  J - Estimated value
  K - Actual value is known to be less than value given
  L - Actual value is known to be greater than value given
  N - Presumptive evidence of presence of material.
  O - Sampled, but analysis lost or not performed.
  Q - Sample held beyond normal holding time.
  T - Value reported is less than the criterion of detection.
  U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
  V - Analyte was detected in both sample and method blank.
  X - Too few individuals to calculate SCI value.
  Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
  Z - Colonies were too numerous to count (TNTC)

Appendix C. Chain of Custody



Request Number: RQ-2020-12-07-12

FYI3 FL0022853 Fang Camp WWTF Sampling Inspection

Customer: NE-DIST

Project ID: FYI3

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 4
last revised Jan 25, 2018

Requester: Elaine Ignacio
Collected By: Paul Duff
Field Report Prepared By: Paul Duff
Sampling Agency: FDEP

Fang Camp WWTF CSI — EFF GRAB

Location:
Field ID:
WIN/S:
Latitude: ☐ dd ☐ dms
☐ Comp ☒ Grab
Collection (comp begin or grab) Eastern / Central: Date 12/14/20 Time 9:45
Composite end Date Time:
Bottle Group(s) (See pg 2): A
Matrix (type, e.g., Salt, Fresh, etc): Effluent
Diss. Oxygen: 8.57 → 91.5 ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L): 0.08
Temp (C): 18.7
pH: 6.56
Sample Depth: ☐ ft ☐ m
Sp. Conductance (umho/cm): 430.5
Salinity (ppt):
Comments: sample taken

Fang Camp WWTF CSI — EFF COMPOSIT

Location:
Field ID:
WIN/S:
Latitude: ☐ dd ☐ dms
☒ Comp ☐ Grab
Collection (comp begin or grab) Eastern / Central: Date 12/13/20 Time 9:00
Composite end Date 12/14/20 Time 8:45
Bottle Group(s): B
Matrix (type, e.g., Salt, Fresh, etc): Effluent
Diss. Oxygen: ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L):
Temp (C):
pH:
Sample Depth: ☐ ft ☐ m
Sp. Conductance (umho/cm):
Salinity (ppt):
Comments: taken at 9:25

Fang Camp WWTF CSI — FIELD BLANK

Location:
Field:
WIN:
Latitude: ☐ dd ☐ dms
☒ Comp ☐ Grab
Collection (comp begin or grab) Eastern / Central: Date 12/14/20 Time 9:35
Composite end Date Time:
Bottle Group(s): C
Matrix (type, e.g., Salt, Fresh, etc): DI
Diss. Oxygen: ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L):
Temp (C):
pH:
Sample Depth: ☐ ft ☐ m
Sp. Conductance (umho/cm):
Salinity (ppt):
Comments:

Fang Camp WWTF CSI — EQUIP BLANK

Location:
Field:
WIN/S:
Latitude: ☐ dd ☐ dms
☐ Comp ☒ Grab
Collection (comp begin or grab) Eastern / Central: Date 12/14/20 Time 9:35
Composite end Date Time:
Bottle Group(s): D
Matrix (type, e.g., Salt, Fresh, etc): DI
Diss. Oxygen: ☐ mg/L ☐ % sat
Total Res. Chlorine (mg/L):
Temp (C):
pH:
Sample Depth: ☐ ft ☐ m
Sp. Conductance (umho/cm):
Salinity (ppt):
Comments: This was taken as a field blank

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	12/14/20 15:00	FEDEX	5	Lauren Hart 12.15.20 1040	12.15.20/1000

J2005971 5
Florida DEP
CSI FANG
J2005971
J2005971

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

ALS

9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 / 800-695-7222 x06 / FAX (904) 739-2011
www.alsglobal.com

Page _____ of _____

Project Name: CSI FANG	Project Number: RQ-2020-12-07-12
Report To: Paul Duff	Report CC: Paul.duff@floridadep.gov
Company/Address: FDEP	
Phone #: 904-256-1625	FAX #
Sampler's Signature:	Sampler's Printed Name: Paul Duff

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

Preservative Key: 0. None; 1. HCL; 2. HNO3; 3. H2SO4; 4. NaOH; 5. Zn. Acetate; 6. MeOH; 7. NaHSO4; 8. Other

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	NUMBER OF CONTAINERS: Preservative	F. Coliform	E. Coli	REMARKS
Eff Grab		12/14/20	9:45	Eff	1	1		
Eff Grab		12/14/20	9:45	Eff	1	1	1	

Special Instructions/Comments: From field

TURNAROUND REQUIREMENTS: ___ RUSH (SURCHARGES APPLY); ___ STANDARD; REQUESTED FAX DATE; REQUESTED REPORT DATE

REPORT REQUIREMENTS: I. Results Only; II. Results + QC Summaries (LCS, DUP, MS/MSD as required); III. Results + QC and Calibration Summaries; IV. Data Validation Report with Raw Data; Edata ___ Yes ___ No

INVOICE INFORMATION: P.O. #; Bill to:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Paul Duff	Printed Name: Hollie Hernandez	Printed Name	Printed Name	Printed Name	Printed Name
Firm: FDEP	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 12/14/20 / 13:00	Date/Time: 12/14/20 1200	Date/Time	Date/Time	Date/Time	Date/Time

Chain of Custody SMF-9 3/14/2016

Page 6 of 19

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:45	Effluent Grab	AGP/LN	Algal Growth Potential	0.300 U	mg DryWt/L	0.300	0.900
12/14/2020 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.82 U	ug/L	0.82	2.5
12/14/2020 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.90 U	ug/L	0.90	2.7
12/14/2020 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	0.60 U	ug/L	0.60	1.8
12/14/2020 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	3.9	mg/L		
12/14/2020 9:45	Effluent Grab	Overflow	Escherichia Coli-Quanti-Tray	1.0 U	MPN/100 mL	1	1
12/14/2020 9:45	Effluent Grab	Overflow	Fecal Coliforms-Membrane Filter	1.0 U	cfu/100 mL	1	1
12/14/2020 9:45	Effluent Grab	Toxicology	Bioassay-Acute-Screen-FW-C.dubia, LC50	100 L	LC50		
12/14/2020 9:45	Effluent Grab	Toxicology	Bioassay-Acute-Screen-FW-Fish, LC50	100 L	LC50		
12/14/2020 9:45	Effluent Grab	Metals	Silver	0.010 U	ug/L	0.010	0.040
12/14/2020 9:45	Effluent Grab	Metals	Selenium	0.20 U	ug/L	0.20	0.80
12/14/2020 9:45	Effluent Grab	Metals	Chromium	0.40 U	ug/L	0.40	1.6
12/14/2020 9:45	Effluent Grab	Metals	Calcium	35.8	mg/L	0.075	0.30
12/14/2020 9:45	Effluent Grab	Metals	Lead	0.20 U	ug/L	0.20	0.40
12/14/2020 9:45	Effluent Grab	Metals	Sodium	29.5	mg/L	0.50	2.0
12/14/2020 9:45	Effluent Grab	Metals	Iron	120	ug/L	30	120
12/14/2020 9:45	Effluent Grab	Metals	Aluminum	29	ug/L	5.0	20
12/14/2020 9:45	Effluent Grab	Metals	Potassium	7.8	mg/L	0.30	1.2
12/14/2020 9:45	Effluent Grab	Metals	Magnesium	7.13	mg/L	0.040	0.16
12/14/2020 9:45	Effluent Grab	Metals	Arsenic	0.38	ug/L	0.050	0.20
12/14/2020 9:45	Effluent Grab	Metals	Zinc	47	ug/L	5.0	20
12/14/2020 9:45	Effluent Grab	Metals	Cadmium	0.047 I	ug/L	0.020	0.080
12/14/2020 9:45	Effluent Grab	Metals	Nickel	1.3 I	ug/L	0.50	2.0
12/14/2020 9:45	Effluent Grab	Metals	Copper	6.98	ug/L	0.40	0.80
12/14/2020 9:45	Effluent Grab	Nutrients	Sulfate	15	mg SO4/L	0.20	0.50
12/14/2020 9:45	Effluent Grab	Nutrients	Organic Carbon	4.6	mg C/L	0.50	1.0
12/14/2020 9:45	Effluent Grab	Nutrients	NO2NO3-N	26	mg N/L	0.40	1.0
12/14/2020 9:45	Effluent Grab	Nutrients	Fluoride	0.11	mg F/L	0.035	0.10
12/14/2020 9:45	Effluent Grab	Nutrients	Color (true)	4.8 I	PCU	2.5	6.0
12/14/2020 9:45	Effluent Grab	Nutrients	O-Phosphate-P	3.1	mg P/L	0.080	0.20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:45	Effluent Grab	Nutrients	Kjeldahl Nitrogen	0.40 U	mg N/L	0.40	1.0
12/14/2020 9:45	Effluent Grab	Nutrients	Total Alkalinity	19 AJ	mg CaCO3/L	0.65	2.5
12/14/2020 9:45	Effluent Grab	Nutrients	Chloride	37	mg Cl/L	0.20	0.50
12/14/2020 9:45	Effluent Grab	Nutrients	Turbidity	0.50	NTU	0.10	0.13
12/14/2020 9:45	Effluent Grab	Nutrients	Total-P	3.3	mg P/L	0.0050	0.050
12/14/2020 9:45	Effluent Grab	Nutrients	Ammonia-N	0.028	mg N/L	0.0020	0.0050
12/14/2020 9:45	Effluent Grab	Pesticides	Naproxen	0.0080 U	ug/L	0.0080	0.032
12/14/2020 9:45	Effluent Grab	Pesticides	Ibuprofen	0.020 U	ug/L	0.020	0.080
12/14/2020 9:45	Effluent Grab	Pesticides	Sucralose	100	ug/L	0.10	0.40
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.19 U	ug/L	0.19	0.75
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	9.4 U	ug/L	9.4	38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.047 UJ	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.4 U	ug/L	9.4	38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	0.94 U	ug/L	0.94	3.8
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Fluorene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Phenol	0.047 U	ug/L	0.047	0.19

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.8 U	ug/L	2.8	11
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	9.4 U	ug/L	9.4	38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Anthracene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzidine	9.4 UJ	ug/L	9.4	38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.10 I	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Isophorone	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.47 U	ug/L	0.47	1.9
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Chrysene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 U	ug/L	1.9	7.5
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Pyrene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	4.7 U	ug/L	4.7	19
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	1.9 U	ug/L	1.9	7.5
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 U	ug/L	1.9	7.5
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:45	Effluent Grab	Nutrients	Specific Conductance	430.5	umhos/cm		
12/14/2020 9:45	Effluent Grab	Nutrients	Dissolved Oxygen	91.5	%Sat		
12/14/2020 9:45	Effluent Grab	Nutrients	Temperature	18.7	C		
12/14/2020 9:45	Effluent Grab	Nutrients	pH	6.56			
12/14/2020 8:45	Effluent Composite	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	4.0 Q	mg/L		
12/14/2020 8:45	Effluent Composite	Nutrients	Organic Carbon	4.9	mg C/L	0.50	1.0
12/14/2020 8:45	Effluent Composite	Nutrients	NO2NO3-N	27	mg N/L	0.40	1.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 8:45	Effluent Composite	Nutrients	Total-P	3.3	mg P/L	0.0050	0.050
12/14/2020 8:45	Effluent Composite	Nutrients	Kjeldahl Nitrogen	0.40 UJ	mg N/L	0.40	1.0
12/14/2020 8:45	Effluent Composite	Nutrients	TSS	2 U	mg/L	2.0	10
12/14/2020 8:45	Effluent Composite	Nutrients	Ammonia-N	0.028	mg N/L	0.0020	0.0050
12/14/2020 9:35	Equipment Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
12/14/2020 9:35	Equipment Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
12/14/2020 9:35	Equipment Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
12/14/2020 9:35	Equipment Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
12/14/2020 9:35	Equipment Blank	Nutrients	TSS	2 U	mg/L	2.0	10
12/14/2020 9:35	Equipment Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
12/14/2020 9:35	Field Blank	Metals	Copper	0.40 U	ug/L	0.40	0.80
12/14/2020 9:35	Field Blank	Metals	Zinc	5.0 U	ug/L	5.0	20
12/14/2020 9:35	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
12/14/2020 9:35	Field Blank	Metals	Nickel	0.50 U	ug/L	0.50	2.0
12/14/2020 9:35	Field Blank	Metals	Chromium	0.40 U	ug/L	0.40	1.6
12/14/2020 9:35	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
12/14/2020 9:35	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
12/14/2020 9:35	Field Blank	Metals	Lead	0.20 U	ug/L	0.20	0.40
12/14/2020 9:35	Field Blank	Metals	Arsenic	0.050 U	ug/L	0.050	0.20
12/14/2020 9:35	Field Blank	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
12/14/2020 9:35	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
12/14/2020 9:35	Field Blank	Metals	Silver	0.010 U	ug/L	0.010	0.040
12/14/2020 9:35	Field Blank	Metals	Iron	30 U	ug/L	30	120
12/14/2020 9:35	Field Blank	Metals	Aluminum	5.0 U	ug/L	5.0	20
12/14/2020 9:35	Field Blank	Metals	Selenium	0.20 U	ug/L	0.20	0.80
12/14/2020 9:35	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
12/14/2020 9:35	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
12/14/2020 9:35	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
12/14/2020 9:35	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
12/14/2020 9:35	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	0.13
12/14/2020 9:35	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
12/14/2020 9:35	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
12/14/2020 9:35	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
12/14/2020 9:35	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:35	Field Blank	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
12/14/2020 9:35	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
12/14/2020 9:35	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
12/14/2020 9:35	Field Blank	Pesticides	Ametryn	0.56 U	ng/L	0.56	2.3
12/14/2020 9:35	Field Blank	Pesticides	Atrazine	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Bromacil	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Demeton	1.4 U	ng/L	1.4	5.6
12/14/2020 9:35	Field Blank	Pesticides	EPTC	1.2 U	ng/L	1.2	4.7
12/14/2020 9:35	Field Blank	Pesticides	Ethoprop	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Hexazinone	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Prometon	0.85 U	ng/L	0.85	3.3
12/14/2020 9:35	Field Blank	Pesticides	Tebuconazole	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Naproxen	0.0080 U	ug/L	0.0080	0.032
12/14/2020 9:35	Field Blank	Pesticides	Chlorpyrifos Methyl	0.047 U	ng/L	0.047	0.19
12/14/2020 9:35	Field Blank	Pesticides	Diazinon	0.12 U	ng/L	0.12	0.47
12/14/2020 9:35	Field Blank	Pesticides	Fenamiphos	0.47 U	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Flutolanil	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Imazalil	0.70 UJ	ng/L	0.70	2.8
12/14/2020 9:35	Field Blank	Pesticides	Metalaxyl	0.70 UJ	ng/L	0.70	2.8
12/14/2020 9:35	Field Blank	Pesticides	Simazine	0.47 U	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Carbophenothion	0.47 U	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Difenoconazole	0.56 UJ	ng/L	0.56	2.3
12/14/2020 9:35	Field Blank	Pesticides	Dithiopyr	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Fenbuconazole	0.12 UJ	ng/L	0.12	0.47
12/14/2020 9:35	Field Blank	Pesticides	Fluazifop-P-butyl	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Fludioxonil	0.12 UJ	ng/L	0.12	0.47
12/14/2020 9:35	Field Blank	Pesticides	Mevinphos	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Pronamide	0.14 U	ng/L	0.14	0.56
12/14/2020 9:35	Field Blank	Pesticides	Sulfentrazone	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Ibuprofen	0.020 U	ug/L	0.020	0.080
12/14/2020 9:35	Field Blank	Pesticides	Acetochlor	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Cyanazine	3.1 UJ	ng/L	3.1	12
12/14/2020 9:35	Field Blank	Pesticides	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.47
12/14/2020 9:35	Field Blank	Pesticides	Flumioxazin	1.6 U	ng/L	1.6	6.6

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:35	Field Blank	Pesticides	Fluxapyroxad	0.094 UJ	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Oxadiazon	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Prometryn	0.19 UJ	ng/L	0.19	0.75
12/14/2020 9:35	Field Blank	Pesticides	Azinphos Methyl	1.9 UJ	ng/L	1.9	7.5
12/14/2020 9:35	Field Blank	Pesticides	Butylate	0.38 U	ng/L	0.38	1.5
12/14/2020 9:35	Field Blank	Pesticides	Fipronil	0.23 UJ	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Fipronil Sulfide	0.14 U	ng/L	0.14	0.56
12/14/2020 9:35	Field Blank	Pesticides	Fonofos	0.19 U	ng/L	0.19	0.75
12/14/2020 9:35	Field Blank	Pesticides	Myclobutanil	0.23 UJ	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Parathion Methyl	0.52 U	ng/L	0.52	2.1
12/14/2020 9:35	Field Blank	Pesticides	Prodiamine	0.16 U	ng/L	0.16	0.66
12/14/2020 9:35	Field Blank	Pesticides	Pyriproxyfen	0.12 U	ng/L	0.12	0.47
12/14/2020 9:35	Field Blank	Pesticides	Atrazine Desethyl	1.4 UJ	ng/L	1.4	5.6
12/14/2020 9:35	Field Blank	Pesticides	Azoxystrobin	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Disulfoton	0.47 U	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Metribuzin	3.1 U	ng/L	3.1	12
12/14/2020 9:35	Field Blank	Pesticides	Norflurazon	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Propiconazole	0.47 UJ	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Terbufos	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Terbuthylazine	0.40 U	ng/L	0.40	1.6
12/14/2020 9:35	Field Blank	Pesticides	Sucralose	0.010 U	ug/L	0.010	0.040
12/14/2020 9:35	Field Blank	Pesticides	Alachlor	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Ethion	0.14 U	ng/L	0.14	0.56
12/14/2020 9:35	Field Blank	Pesticides	Fipronil Sulfone	0.14 U	ng/L	0.14	0.56
12/14/2020 9:35	Field Blank	Pesticides	Malathion	0.33 U	ng/L	0.33	1.3
12/14/2020 9:35	Field Blank	Pesticides	Metolachlor	0.47 U	ng/L	0.47	1.9
12/14/2020 9:35	Field Blank	Pesticides	Molinate	0.28 U	ng/L	0.28	1.1
12/14/2020 9:35	Field Blank	Pesticides	Naled	1.4 U	ng/L	1.4	5.6
12/14/2020 9:35	Field Blank	Pesticides	Oxyfluorfen	0.14 U	ng/L	0.14	0.56
12/14/2020 9:35	Field Blank	Pesticides	Parathion Ethyl	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Phorate	0.23 U	ng/L	0.23	0.94
12/14/2020 9:35	Field Blank	Pesticides	Carfentrazone Ethyl	0.094 U	ng/L	0.094	0.38
12/14/2020 9:35	Field Blank	Pesticides	Dimethenamid	0.094 U	ng/L	0.094	0.38

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:35	Field Blank	Pesticides	Iprodione	0.56 U	ng/L	0.56	2.3
12/14/2020 9:35	Field Blank	Pesticides	Pendimethalin	0.94 U	ng/L	0.94	3.8
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Pyrene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	9.4 U	ug/L	9.4	38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Anthracene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.5 I	ug/L	0.94	3.8
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.047 UJ	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Acenaphthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Chrysene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.19 U	ug/L	0.19	0.75
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Phenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzidine	9.4 UJ	ug/L	9.4	38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	4.7 U	ug/L	4.7	19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Naphthalene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 U	ug/L	1.9	7.5
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Diethyl phthalate	1.9 U	ug/L	1.9	7.5
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Fluoranthene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Fluorene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Isophorone	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 U	ug/L	1.9	7.5
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.47 U	ug/L	0.47	1.9
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.4 U	ug/L	9.4	38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.047 U	ug/L	0.047	0.19

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Phenanthrene	0.094 U	ug/L	0.094	0.38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	4-Nitrophenol	9.4 U	ug/L	9.4	38
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 U	ug/L	0.024	0.094
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.047 U	ug/L	0.047	0.19
12/14/2020 9:35	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.8 U	ug/L	2.8	11