Effluent Quality Assessment of Georgia Pacific (Palatka Pulp & Paper) Putnam County NPDES # FL0002763 Sampled September 20, 22, & 24, 2021

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
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Summary of Results

Dissolved oxygen of the effluent did not meet the Class III Water Quality Criterion for Fresh Waters (Paragraph 62-302.533(1)(a), F.A.C.). During the chronic definitive bioassay, the effluent sample was not toxic to the fish species and was reported as No Result for the water flea. Five organic constituents were detected in the effluent grab sample. The nutrient and AGP results do not indicate a potential for nutrient enrichment of the receiving waters due to effluent discharge.

Facility Overview

Georgia-Pacific (Palatka Pulp & Paper) is an industrial wastewater facility producing pulp and paper. 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. A short form consent order was issued on September 29, 2020 for surface water quality violations (SFCO 20-1101). SFCO 20-0827 was issued on May 21, 2020 for unauthorized discharge. Both have been closed. The effluent is continuously discharged into the lower St. Johns River, a Class III Fresh Water [waterbody identification (WBID) 2213L] (Figure 1). Mean flow for previous 12 months (17 MGD) exceeds permitted capacity (16 MGD).

The lower St. Johns River falls within the Site Specific Interpretations of the Numeric Nutrient Criteria (NNC) for the St. Johns River above Rice Creek segment and has a total maximum daily load (TMDL) established. For this region, the NNC, expressed as annual load, are 500,325 kg/year total phosphorus and 8,571,563 kg/year total nitrogen (Paragraph 62-304.415(1), F.A.C.). The lower St. Johns River falls within the Peninsula bioregion; the daily average dissolved oxygen (DO) saturation shall not be below 38 percent in more than 10 percent of the values (Paragraph 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 24-hour flow proportioned composite samples were taken from monitoring site location EFF-3 for Outfall D-003 on September 20, 2021. Effluent renewal composite samples were collected on September 22 and 24, 2021.

There is a permit limit for settleable solids but the analysis was not scheduled. There is a permit limit for *Escherichia coli* (E. coli); the test was scheduled but the sample was submitted to the laboratory for Enterococci analysis.

Samples were collected by Paul Duff, Shannon Taylor, and Malyssa Peabody (DEP Northeast District Office). Analyses were performed by ALS Environmental Laboratories in Jacksonville,

Eurofins Test America Laboratories in Sacramento and Tampa, and DEP Laboratory in Tallahassee.

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.

Class III Water Quality Criteria for Fresh and Marine Waters are found in Rule 62-302, F.A.C. All references to Rule 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.

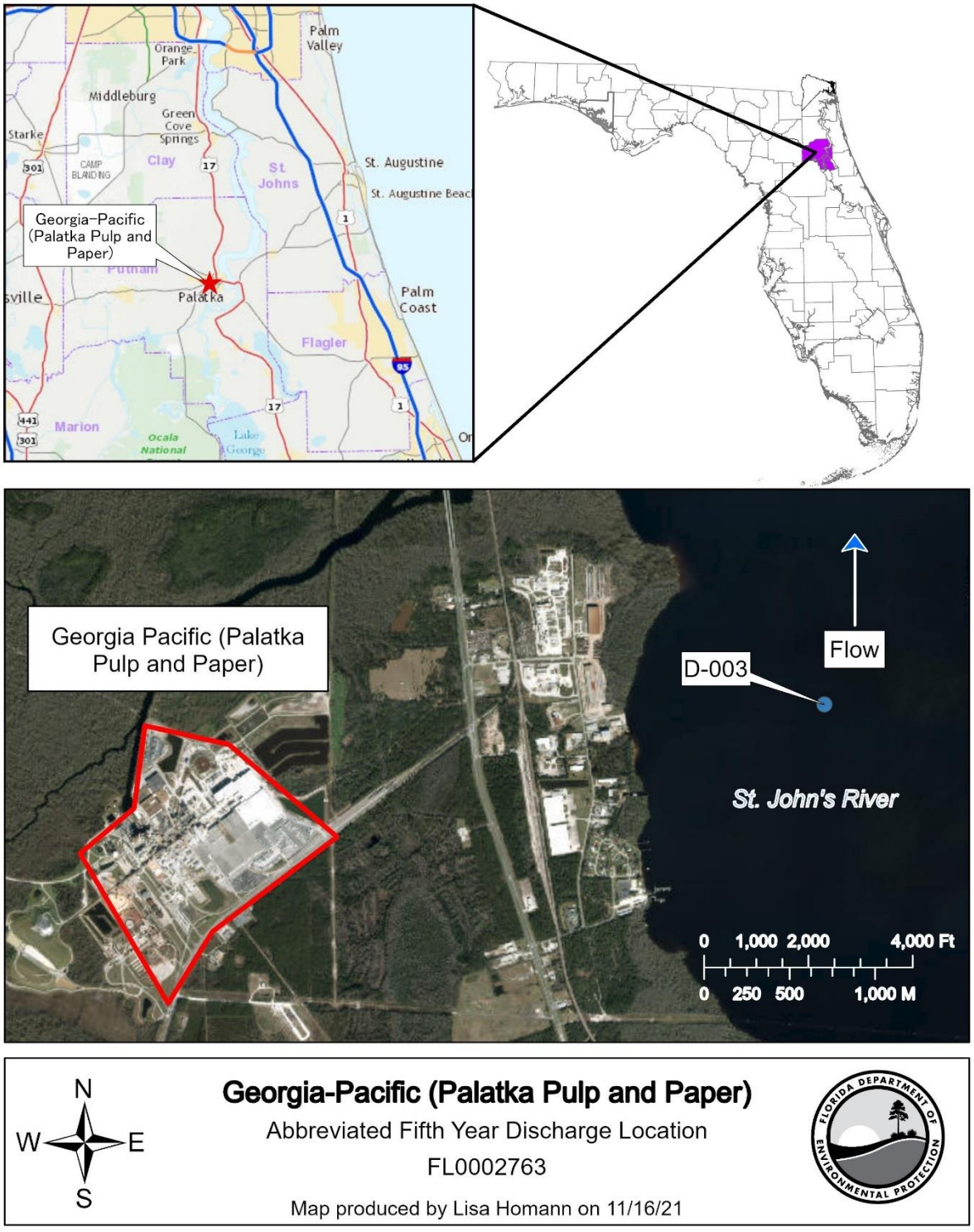


Figure 1. Map of Facility and Discharge Location

Results

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

- Dissolved oxygen of the effluent did not meet the Class III Water Quality Criterion for Fresh Waters (Paragraph 62-302.533(1)(a), F.A.C.). There is an effluent permit limit for dissolved oxygen but does not apply at this sampling location.

- Specific conductance of the effluent exceeded the Class III Water Quality Criterion for Fresh Waters but complied with effluent permit limits. Effluent pH complied with the Class III Water Quality Criterion for Fresh Waters and effluent permit limits.

Analytical Water Chemistry (See Table 2 and Appendix D)

- All water chemistry analytes detected in the effluent grab sample complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits.

- There is a permit limit for 2,3,7,8-TCDD in the effluent composite sample and the analyte was undetected. Compliance could not be determined since the analysis was performed on improperly preserved samples and results were Y qualified. The detection limit is higher than the permit limit; the permit states that compliance is demonstrated when the concentration is determined to be less than 10 pg/L.

- Chloride was detected in the field blank.

Microbiology (See Table 2 and Appendix B)

- There is a permit limit and Class III Water Quality Criterion for *E. coli* analysis. Fecal coliform and Enterococci analyses were performed.

Toxicity Whole Effluent Test (See Table 2)

- Tests were performed September 21 through September 28, 2021.

- Chronic bioassay results are reported as the 25% Inhibition Concentration (IC25). 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 62-302.200(5), 62-302.530(20) and/or facility permit limits.

- During the chronic definitive bioassay, the effluent composite sample IC25 for the water flea, *Ceriodaphnia dubia*, was reported as No Result. The *C. dubia* control did not meet survival test acceptability criteria and the test was terminated.

- During the chronic definitive bioassay, the effluent composite sample IC25 for the fish, *Pimephales promelas,* was calculated as being greater than 100% effluent, 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 complied with Class III Water Quality Criteria for Fresh Waters. There are no effluent permit limits for metals.

- Potassium was detected in the field blank.

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 grab sample. The analytical chemistry suggests that the effluent is nitrogen-limited (Miller et al. 1978).

- The effluent grab sample AGP result of 2.88 A mg dry wt/L is within the AGP range (0.81 to 6.00 mg dry wt/L) suggested to be representative of moderately high productivity for freshwater (Miller et al. 1978).

- Differences greater than an order of magnitude between actual and predicted AGP values are considered sufficient evidence to warrant follow up testing with the algal growth inhibition bioassay. True algal growth inhibition can only be determined by performing an actual algal growth inhibition test. Should algal growth inhibition be suspected, the district should request that the algal growth inhibition test be performed as a follow-up to the inspection.

Organic Constituents (See Table 5 and Appendix D)

- Azoxystrobin, caffeine, flutolanil, hexazinone, and tebuconazole were detected in the effluent grab sample.

- Caffeine was detected in the field blank between the MDL and PQL.

- There are no effluent permit limits for organic constituents.

Literature Cited

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 Water Quality Criteria for Fresh Waters, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Temperature	C	-	Report	28.3
pH	SU	6.0 - 8.5	6.0 - 8.5	7.7
Specific Conductance	µmhos/cm	≤ 1,275	≤ 2,467	1,622
Salinity	ppt	-	-	0.8 c
Dissolved Oxygen	% saturation	≥ 38	-	15.9 e
Dissolved Oxygen	mg/L	-	-	1.2

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

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

Effluent limits, Class III Water Quality Criteria for Fresh Waters, 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	-	-	0.072	-
Total Phosphorus	mg P/L	-	-	0.34	-
Total Ammonia	mg N/L	≤ 1.67 s c	≤ 3.5 s	0.14	-
Un-ionized Ammonia (calculated salinity)	mg N/L	-	-	< 0.02 c	-
Nitrate and Nitrite	mg N/L	-	-	0.046	-
Total Kjeldahl Nitrogen	mg N/L	-	Report	1.8	-
Organic Nitrogen	mg N/L	-	-	1.7 c	-
Total Nitrogen	mg N/L	-	Report	1.8 c	-
Total Organic Carbon	mg C/L	-	-	56	-
Chlorophyll *a* - Corrected	µg/L	-	-	85	-
Phaeophytin	µg/L	-	-	6.8	-
BOD, 5 day, N - uninhibited	mg/L	-	Report	-	45
Total Suspended Solids	mg/L	-	Report	-	8 I
Turbidity	NTU	≤ 29 t	≤ 55 s	21 A	-
Color (true)	PCU	-	≤ 1,202 s	640 AJ	-
Alkalinity	mg CaCO3/L	≥ 20	-	283 A	-
Chloride [1]	mg Cl/L	-	-	140	-
Fluoride	mg F/L	≤ 10.0	-	0.049 I	-
Sulfate	mg SO4/L	-	-	300	-
Adsorbable Organic Halides	µg/L	-	-	-	1300
2,3,7,8-TCDD	pg/L	-	≤ 0.014 p	2.7 UJ	0.26 UY
2,3,7,8-TCDF	pg/L	-	-	1.5 UJ	0.42 IY
Fecal Coliforms	cfu/100 mL	-	-	13 B	-
Enterococci	MPN/100 mL	-	-	41	-

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Effluent Composite
Bioassay - Water flea *(Ceriodaphnia dubia)*	% effluent	-	≥ 11.7 p	-	No Result O
Bioassay - Fish *(Pimephales promelas)*	% effluent	-	≥ 11.7 p	-	> 100

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
s - Single sample
p - 24 hour flow proportioned composite
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptance range
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
O - Sampled, but analysis lost or not performed
U - Material analyzed for but not detected; value reported is the method detection limit
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
1 - Analyte detected in the blank

Table 3. Analytical metals data

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and analytical metals data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Hardness	mg CaCO3/L	-	-	103 c
Aluminum	µg/L	-	-	3880
Arsenic	µg/L	≤ 50	-	0.62
Cadmium	µg/L	≤ 0.277 b	-	0.024 I
Calcium	mg/L	-	-	34.9
Chromium, Total [2]	µg/L	≤ 88.4 b	-	4.2
Copper	µg/L	≤ 9.58 b	-	0.57 I
Iron	µg/L	≤ 1,000	-	350
Lead	µg/L	≤ 3.31 b	-	0.20 U
Magnesium	mg/L	-	-	3.88
Nickel	µg/L	≤ 53.5 b	-	4.6
Potassium [1]	mg/L	-	-	7.9
Selenium	µg/L	≤ 5.0	-	0.20 U
Silver	µg/L	≤ 0.07	-	0.010 U
Sodium	mg/L	-	-	340
Zinc	µg/L	≤ 123 b	-	7.9 I

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 - Analyte detected in the blank
2 - 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*	2.88 A	7.1 ± 1.4	31 ± 6.2	70 ± 14	150 ± 29	2.6	5.4

A - Value reported is the mean of two or more determinations

Table 5. Detected Organic Constituents

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and analytical organic and pesticide data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Azoxystrobin	ng/L	-	-	0.69 IJ
Caffeine [1]	ng/L	-	-	14 IV
Flutolanil	ng/L	-	-	0.82
Hexazinone	ng/L	-	-	2.9
Tebuconazole	ng/L	-	-	0.56 I

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
V - Analyte was detected in both sample and method blank
1 - Analyte detected in the blank

Appendix A. Facility Summary

PART I: Information gathered prior to sampling event	
Prepared By: Abhi Maturi	**Contact Number:** 904-256-1584
Facility Name (as it appears on permit): Georgia-Pacific (Palatka Pulp and Paper)	**Former Names:**
NPDES Permit Number: FL0002763	**Permit Expiration Date:** 12/28/2022
Physical Address: 215 County Road 216, Palatka, FL 32217	
District: Northeast	**County:** Putnam
Function of Facility: Industrial Waste Water Treatment	
Facility Type: Industrial Waste Water	**Permitted Capacity (MGD):** 16
Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): **Aug 2020-Aug 2021. D-003: 17 MGD**	
If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months): Aug 2020-Aug 2021. R-001: 0.18	
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): **Surface Water Discharge** EFF-3: Final Effluent after treatment at the beginning of the pipeline EFF-4: Final Effluent at the pipeline valve house off Comfort Road CAL-1: Calculated **Internal Outfalls (Discharge of Processed wastewater from I-004 to Wastewater Treatment Facility)** OUI-4: A combination of sample taken just after the discharge from the chlorine dioxide filtrate tank and a sample taken just after the extraction filtrate tank. These two samples are combined in flow proportionate sets.	
Description of Permitted Outfall(s): **D-001**: Discharge into Lower St. John's River (Class III fresh waters, WBID 2214L). Location is approximately at latitude 29° 41' 13" N, longitude 81° 38' 24" W **R-001:** Existing Wastewater Treatment Facility. Located approximately at latitude 29° 41' 47" N, longitude 81° 42' 41" W. **R-002:** Existing sludge facility. Located approximately at latitude 29° 41'18" N, longitude 81° 40' 27" W.	
Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility): The Permittee operates a wastewater treatment facility that currently discharges an annual average of 16 million gallons per day (MGD). The current wastewater treatment system consists of primary clarification followed by secondary treatment consisting of facultative and aerobic lagoons. Wastewater treatment solids from the primary	

clarifier are normally pumped to a mechanical dewatering system. Sludge lagoons are also available for draining and air-drying sludge. Treated effluent, injected with high purity oxygen, is discharged to the Lower St. Johns River through a force main pipeline to Outfall D-003. Supplemental high purity oxygen system has been installed to provide oxygen to Rice Creek. The permittee operates a fully integrated pulp and paper mill producing both bleached and unbleached pulp and paper utilizing the Kraft process. Products include Kraft paper and finished tissue products.

In connection with the facility, Permittee operates and maintains an on-site solid waste disposal facility which receives clean construction debris, calcium carbonate, boiler ash, and other solids generated as by-products from the pulping and papermaking operation. Permittee also operates and maintains the surface water management system including in-line retention basins 1, 4, 5 and wet detention basin 2 to receive and treat storm water runoff from the solid waste disposal area. ERP permit 54-017946-012-EI was issued to allow construction improvements for the solid waste disposal area. Stormwater that contacts with active waste disposal area will be separated from non-contact stormwater. Contact water will be conveyed to a new Stormwater (SW) Pond 6 then pumped to log wet deck eventually to wastewater treatment facility. The SW Pond 6 will be connected to the existing Pond 5 by a control structure. Water from SW Pond 2 will no longer be pumped to log wet deck. Excess runoff will be discharged from SW Pond 2 via the existing overflow spillway to wetlands adjacent to Rice Creek.

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)										
External Outfall			Effluent Limitations				Monitoring Requirements			
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Chronic Whole Effluent Toxicity, 7-Day IC25 (*Ceriodaphnia dubia*)	Percent	Min				11.7	Quarterly	24-hr FPC	EFF-3	See I.A.7 and I.A.8
Chronic Whole Effluent Toxicity, 7-Day IC25 (*Pimephales promelas*)	Percent	Min				11.7	Quarterly	24-hr FPC	EFF-3	See I.A.7 and I.A.8
Flow	MGD	Max	Report	Report	Report		Continuous	Meter	EFF-3	
BOD, 5-day, 20ºC	mg/L	Max		Report		Report	1 day/week	24-hr FPC	EFF-3	See I.A.9
BOD, 5-day, 20ºC	lb/day	Max		3500 (Jun-Nov) 7100 (Dec-May)		7000 (Jun-Nov) 14,130 (Dec-May	1 day/week	24-hr FPC	EFF-3	See I.A.9
Solids, Total Suspended	mg/L	Max		Report		Report	1 day/week	24-hr FPC	EFF-3	See I.A.9

Solids, Total Suspended	lb/day	Max		5,000 (Jun-Nov) 10,000 (Dec-May)		10,000 (Jun-Nov) 17,500 (Dec-May	1 day/week	24-hr FPC	EFF-3	See I.A.9
pH	s.u	Min Max				6.0 8.5	5 Days/Week	Continuous	EFF-3	See I.A.5
Oxygen, Dissolved	Mg/L	min				5.0	5 Days/Week	Grab	EFF-4	See I.A.10
Adsorable Organic Halides (AOX)	Lb/Day	Max	449	1002		1641	1 Days/Week	24-hr FPC	EFF-3	
Escherichia coli Bacteria	#/100ml	Max (monthly geometric mean) Max (90^{th} percentile)				126 410	Monthly	Grab	EFF-3	See I.A.11
Color	PCU	Max				1202	Monthly	Grab	EFF-3	See I.A.8
Specific Conductance	µmhos/cm	Max				2467	Monthly	Grab	EFF-3	See I.A.8
Turbidity	NTU	Max				55	Monthly	Grab	EFF-3	See I.A.8
Nitrogen, Total (as N)	Mg/L	Max		Report		Report	Monthly	Grab	Eff-3	
Nitrogen, Total (as N)	Lb/yr	Max	365,000 (annual total)				Monthly	Grab	EFF-3	See I.A.6

Nitrogen, Kjeldahl, Total (as N)	Mg/L	Max				Report	Monthly	Grab	EFF-3	
Phosphorus, Total (as P)	Mg/L	Max		Report		Report	Monthly	Grab	Eff-3	
Phosphorus, Total (as P)	Lb/yr	Max	73,000 (annual total)				Monthly	Grab	EFF-3	See I.A.6
Solids, Settleable	mL/L	Max				0.1	Monthly	Grab	EFF-3	
Nitrogen, Ammonia, Total (as N)	Mg/L	Max		2.3		3.5	Weekly	Grab	EFF-3	See I.A.8
Temperature (°F)	Deg F	Max				Report	When Monitored	Grab	EFF-3	See I.A.12
2,3,7,8-tetrachlorodibenzo-p-dioxin	Pg/L	Max		0.014		0.014	Semi-Annual	24-hr FPC	EFF-3	See I.A.4

I.A.4. If the concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is determined to be less than the minimum level of 10 pg/l for method 1613B, then compliance with the TCDD limitation in this permit is demonstrated. The sample shall consist of a 24-hour composite sample. The effluent limitation for TCDD is for that congener only.

I.A.5. Effluent samples for pH shall be continuous measurement based on DEP SOP-001/01 FT 1900 method and upon 40 CFR 401.17 for determining compliance with the discharge limit. Permittee will follow an approved operating procedure for pH measurement.

I.A.6. The annual mass load is computed using a rolling twelve (12) – month period. The calculation shall be the sum of the twelve most recent monthly mass loading of total nitrogen or total phosphorus starting from the second month following permit issuance month. The monthly mass loading shall be calculated as follows:

Monthly Mass Load for TN or TP of the Treatment facilities(ML)

$$ML\ (Lbs/Month) = (Flow\ (\frac{MG}{Mon})) \times (TN\ (\frac{mg}{L})\ or\ TP\ (\frac{mg}{L}))\times 8.34\ (\frac{L}{MG}\frac{Lbs}{mg})$$

Where:

ML = Monthly mass load of total nitrogen or total phosphorus (Lbs/month)

Flow = Monthly volume of effluent discharged from Outfalls D-003 (MG)

TN = Monthly Average Concentration of TN monitored at EFF-3 (mg/L)

TP = Monthly Average Concentration of TP monitored at EFF-3 (mg/L)

I.A.7. The permittee shall comply with the following requirements to evaluate whole effluent toxicity of the discharge from outfall D-003.

a. Effluent Limitation
   (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 11.7% effluent. [Rules 62-302.530(61) and 62-4.241(2)(b), F.A.C.]
   (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rules 62-302.500(1)(a)4 and 62-4.241(2)(a), F.A.C.]

b. Monitoring Frequency
   (1) Routine toxicity tests shall be conducted quarterly, the first starting within 60 days of the issuance date of this permit 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 24-hr flow proportion 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%, 55.9%, 11.7%, 5.7%, and 2.8% 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 by DEP rules, 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 exceeds 20% for either species in any test, or any other 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 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 the calculated IC25 for each test species.

(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 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-02-013, Section 10, and mailed or e-mailed within 30 days after the last day of the second valid additional follow-up test. Reports shall include, but are not limited to, the results of the chemical and biological analyses done, the review of these analyses, and next step(s) the permittee plans to take to reduce or eliminate potential sources of toxicity, if so indicated.

(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 within 30 days to *Jacksonville*:

Florida Department of Environmental Protection – Northeast District
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

g. Test Failures

(1) A test fails when the test results do not meet the limits in 7.a.

(2) Additional Follow-up Tests:

(a) If a routine test does not meet the chronic toxicity limitation in 7.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 7.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%, 55.9%, 11.7%, 5.7%, and 2.8% 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 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 7.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 7.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 7.a. 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 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 7.(a)(2), the Permittee shall begin acute definitive whole effluent toxicity testing within 21 days and shall notify the Department within 24 hours of the Permittee becoming aware of the test results. The Department may revise this permit to require acute definitive whole effluent toxicity testing as well as initiating a study to determine the cause of mortality.

(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.

I.A.8. The effluent limitations specified in I.A.1. above, for the parameters listed below ensure compliance with the applicable water quality criteria at the boundary of the mixing zones. For the parameters below, the Permittee's discharge shall not cause or contribute to an exceedance of the Chapter 62-302.530, F.A.C., Class III fresh water quality criteria outside the described mixing zones. The length of the mixing zones is centered along either side and ends of the 1,043 foot diffuser structure. In accordance with Rule 62-4.244, F.A.C., the permit includes mixing zones for the following water quality criteria :

Parameter	Mixing Zone Area	Mixing Zone Length
Total Ammonia Nitrogen	11,570 sq. meters	16.5 meters*
Turbidity	11,570 sq. meters	16.5 meters*
Specific Conductance	11,570 sq. meters	16.5 meters*
Color	63,733 sq. meters	367 meters**
Chronic Toxicity	11,570 sq. meters	16.5 meters*

*Limited to Rise of Plume upstream and downstream and to the sides of the center of the 1,043-ft diffuser for a total of 33 meters.

**The mixing zone for color is in the shape of a polygon around the pipeline diffuser consisting of an area of 63,733 square meters, and extends for a distance of 367 meters in both the upstream and downstream direction.

The mixing coordinates are indicated in this table at maximum tide condition:

Parameter	Latitude	Longitude
Total Ammonia Nitrogen	29° 41' 13.808" N 29° 41' 13.522" N 29° 41' 12.736" N 29° 41' 12.451" N	81° 38' 36.408" W 81° 38' 23.371" W 81° 38' 36.438" W 81° 38' 23.402" W

I.A.9. If the BOD or TSS monthly average is within 10% of the monthly average limit, the frequency of sampling shall return to 3 days per week, respectively for each parameter, starting the following month and lasting until the monthly average for BOD or TSS for 2 consecutive months is below 10% of the monthly average limit.

I.A.10. If the Dissolved Oxygen (DO) level falls below 5.0 ppm, the permittee shall elevate the DO to 5 ppm or higher within 8 hours. The permittee shall also maintain this standard a minimum of 95% of the time on a quarterly basis and shall at no time allow the DO to be below 2.7 ppm. The permittee may also submit to the Department, for review and approval, an alternate compliance demonstration method for monitoring DO provided the data shows that 5.0 mg/L will be maintained at the end of the pipeline.

I.A.11. The effluent limitations for the monthly geometric means for E. coli are only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric means shall be calculated and reported on the Discharge Monitoring Report, but shall not be used to determine compliance with the limitations for the monthly geometric means. All other E. coli effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported.

I.A.12. Effluent Temperature (°F, water) is removed from permit section I.A.1. as a compliance parameter for monitoring site EFF-3 due to historical temperature values being consistent between summer and winter months. GP may report temperature if recorded, but it is optional. GP shall conduct quarterly temperature monitoring during the last year of the permit, prior to permit expiration.

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)

Internal Outfall			Effluent Limitations				Monitoring Requirements			
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow	MGD	Max				Report	Semi Annual	Flow Totalizer	OUI-4	
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	Pg/L	Max				10	Semi-Annual	24-hr Composite	OUI-4	See I.B.4
2,3,7,8-tetrachlorodibenzo-furan (TCDF)	Pg/L	Min				31.9	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
Chloroform	lb/day	Max		7.16		11.94	Semi-Annual	24-Hr Composite	OUI-4	See I.B.3 and I.B.4
Trichlorosyringol	**µg/L**	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
3,4,5-trichlorocatechol	**µg/L**	Max				5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
3,4,6-trichlorocatechol	**µg/L**	Max				5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4

3,4,5-trichloroguaiacol	µg/L	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
3,4,6-trichloroguaiacol	**µg/L**	Min				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
4,5,6-trichloroguaiacol	**µg/L**	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
2,4,5-trichlorophenol	**µg/L**	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
2,4,6-trichlorophenol	**µg/L**	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
Tetrachlorocatechol	**µg/L**	Max				5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
Tetrachloroguaiacol	**µg/L**	Max				5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
2,3,4,6-tetrachloro-phenol	**µg/L**	Max				2.5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4
Pentachlorophenol	**µg/L**	Max				5	Semi-Annual	24-Hr Composite	OUI-4	See I.B.4

I.B.3. The permittee may use a chloroform process certification as allowed by 40 CFR 430.02(f) in lieu of chloroform monitoring, once the necessary data is submitted and approved by the Department.

I.B.4 For 2,3,7,8,-TCDD and 2,3,7,8-TCDF, and the chlorinated phenolic compounds, at the bleach line, the mill should collect grab composite samples from both the acid sewer and alkaline sewers. Each aliquot should be collected every one to three hours during the operation of the bleach plant, for 24 hours, from the monitoring location (at the identified tap, valve, or sump) specified in the permit. The mill may use a continuous automated sampling device, if it can be operated reliably at the appropriate monitoring location. The mill may prepare one flow proportioned composite of the acid and alkaline sewer samples (i.e., one bleach plant effluent sample). Sampling procedure dated March 20, 2003 was approved by DEP on August 30, 2004.

For chloroform, the mill should collect separate samples of acid and alkaline bleach plant filtrates. This is to prevent the loss of chloroform through air stripping as the samples are collected, measured, and composited, or through reaction when the acid and alkaline samples at the point closest to the bleach plant that is, or can be made, physically accessible. Also, samples to be analyzed for chloroform should be collected every one to four hours during the operation of the bleach plant, for 24 hours. The mill should not collect samples using a continuous automated sampling device because chloroform is volatile. Sampling procedure dated March 20, 2003 was approved by DEP on August 30, 2004. In addition, the following special sampling procedures should be included in the permit:

a. samples should be cooled during collection because the bleach plant effluent streams are hot:
b. samples should be collected as grabs (6 pairs of samples per 24 hours), 40 milliliters each from acid and alkaline stream, which will be composited at the laboratory; and
c. samples must not contain air bubbles.

PART I: Continued

Receiving Waters:	**Classification (indicate whether fresh or marine):**
Lower St. John's River (WBID 2213L)	**Class III Fresh Waters**

Toxicity Test Requirements (routine and/or additional test language, test species, salinity adjustment, etc.):
The facility tests for chronic toxicity on a daphnid, ***Ceriodaphnia dubia***, Survival and Reproduction Test and a fathead minnow, ***Pimephales promelas***, Larval Survival and Growth Test.
For Chronic Whole Effluent Toxicity the IC-25 shall not be less than 25%. For Acute Whole Effluent Toxicity, the 96-hour LC-50 shall not be less than 100% in any test.

Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.):
SFCO 20-1101 was issued on 09/29/2020 which required the facility to pay a fine of $5000 for surface water quality violations and $250 for administrative costs. No further actions are required. Payment was received on 10/29/2020.
SFCO 20-0827 was issued on 05/21/2020 which required the facility to pay a fine of $2000 for an unauthorized discharge and $250 for administrative fees. No further actions are required. Payment was received on 05/29/2021 and a closure letter was sent on 06/26/2021.

Facility Mixing Zone Details (if applicable):
The effluent limitations specified in I.A.1. above, for the parameters listed below ensure compliance with the applicable water quality criteria at the boundary of the mixing zones. For the parameters below, the Permittee's discharge shall not cause or contribute to an exceedance of the Chapter 62-302.530, F.A.C., Class III fresh water quality criteria outside the described mixing zones. The length of the mixing zones is centered along either side and ends of the 1,043 foot diffuser structure. In accordance with Rule 62-4.244, F.A.C., the permit includes mixing zones for the following water quality criteria :

Parameter	Mixing Zone Area	Mixing Zone Length
Total Ammonia Nitrogen	11,570 sq. meters	16.5 meters*
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Specific Conductance	11,570 sq. meters	16.5 meters*
Color	63,733 sq. meters	367 meters**
Chronic Toxicity	11,570 sq. meters	16.5 meters*

*Limited to Rise of Plume upstream and downstream and to the sides of the center of the 1,043-ft diffuser for a total of 33 meters.
**The mixing zone for color is in the shape of a polygon around the pipeline diffuser consisting of an area of 63,733 square meters, and extends for a distance of 367 meters in both the upstream and downstream direction.

The mixing coordinates are indicated in this table at maximum tide condition:

Parameter	Latitude	Longitude
Total Ammonia Nitrogen	29° 41' 13.808" N 29° 41' 13.522" N 29° 41' 12.736" N 29° 41' 12.451" N	81° 38' 36.408" W 81° 38' 23.371" W 81° 38' 36.438" W 81° 38' 23.402" W

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

Date	Parameter and Units	Limit	Result
06/30/2021	Biochemical Oxygen demand-5 Lb/yr. Daily Max.	7000	7205.8

03/31/2021	Oxygen, Dissolved Mg/L Daily Min.	5	2.5

Describe previous FYI and WQBEL study: An FYI-3 was conducted in 2017.

Describe previous or current Enforcement Actions (including WLs):
SFCO 20-1101 was issued on 09/29/2020 which required the facility to pay a fine of $5000 for surface water quality violations and $250 for administrative costs. No further actions are required. Payment was received on 10/29/2020.
SFCO 20-0827 was issued on 05/21/2020 which required the facility to pay a fine of $2000 for an unauthorized discharge and $250 for administrative fees. No further actions are required. Payment was received on 05/29/2021 and a closure letter was sent on 06/26/2021.

Describe any violations or problems noted in previous inspection:
A Compliance Sampling Inspection was conducted on 07/15/2019. The facility was found to be in-compliance.

Discuss whether DMR trends within previous five years are improving or declining:
Most parameters remained consistent. Both Total Nitrogen and Total Phosphorus saw a noticeable dip in their Annual Totals in 2020. Levels rose back to pre-2020 levels in 2021.

Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse):

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 Paragraph 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 Subsection 62-302.530(20), Subsection 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 Subsection 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 Subsection 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 Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C. and/or Paragraph 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 Subsection 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 Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a) F.A.C. and/or Paragraph 62-302.530(48)(b) F.A.C..

- **Definition of Qualifiers** (Rule 62-160.700, F.A.C.)

  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-2021-09-06-16

FYI5 FL0002763 Georgia-Pacific Consumer Operations LLC Sampling Inspection

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 4
last revised Jan 25, 2018

Requester: Elaine Ignacio
Field Report Prepared By: Paul Duff
Collected By: Malyssa P, Shannon T. Paul D.
Sampling Agency: FDEP

Location		☐ Comp ☑ Grab	Collection (comp begin or grab) Date 9/20/21 Time 9:45 AM	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)					
Field ID	GP FYI5	Matrix (type, e.g., Salt, Fresh, etc) Effluent		Diss. Oxygen 15.9% / 1.23	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/ST	GRAB	Temp (C) 28.3	pH 7.66	Sample Depth N/A	☐ ft ☐ m	Sp. Conductance (umho/cm) 1622					
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt) ~~1.22~~	Comments							
Location		☑ Comp ☐ Grab	Collection (comp begin or grab) Date 9/19/21 Time 10:00 AM	Eastern Central	Composite end Date 9/20/21 Time 10:00 AM	Bottle Group(s)					
Field ID	GP FYI5	Matrix (type, e.g., Salt, Fresh, etc) Effluent		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/ST	COMPOSIT	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments collected @ 10:00 AM 9/20/21							
Location		☐ Comp ☑ Grab	Collection (comp begin or grab) Date 9/20/21 Time 9:27 AM	Eastern Central	Composite end Date Time	Bottle Group(s)					
Field ID	GP FYI5	Matrix (type, e.g., Salt, Fresh, etc) DI water		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/ST	FIELD BLANK	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments DI water from lab							
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)					
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Duff	9/20/21 3:00PM	FEDEX	3	Tyler	09/21/21 @ 10:03

Request Number: RQ-2021-09-06-16

FYI5 FL0002763 Georgia-Pacific Consumer Operations LLC Sampling Inspection

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Elaine Ignacio

Field Report Prepared By: Paul Duff

Collected By: Paul Duff / Ashlen Ward

Sampling Agency: FDEP

Location: GP FYI5	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 9/21/21 Time 10:00 Hrs	Eastern Central	Composite end Date 9/22/21 Time 10:00 Hrs	Bottle Group(s) (See pg 2): B			
Field ID:	Matrix (type, e.g., Salt, Fresh, etc): Effluent			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #: COMPOSIT	Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Salinity (ppt)	Comments: Collected at 10:01 AM						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)			
Field ID	Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)			
Field ID	Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)			
Field ID	Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #	Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	9/22/21 3:00PM	FEDEX	4		9.23.21 1000

Request Number: RQ-2021-09-06-16

FYI5 FL0002763 Georgia-Pacific Consumer Operations LLC Sampling Inspection

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Elaine Ignacio

Collected By: Paul Duff

Field Report Prepared By: Paul Duff

Sampling Agency: FDEP

Location: GP FYI5	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 9/23/21 Time 10:00 AM	Eastern / Central	Composite end Date 9/24/21 Time 10:00 AM	Bottle Group(s) (See pg 2): B
Field I		Matrix (type, e.g., Salt, Fresh, etc): Effluent		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/S	COMPOSIT	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitud ☐ dd ☐ dms		Salinity (ppt)	Comments: collected @ 10:00 AM			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern / Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern / Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern / Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	9/24/21 / 1:00Pm	FEDEX	1	RH	9.25.21 / 0930

4.7 °C

ALS Environmental

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

SR # J2101759
ALS Contact

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	Project Number
FY15 GP	RQ-2021-09-06-16
Report To	**Report CC**
Paul Duff	Paul.Duff@floridadep.gov
Company/Address	
FDEP	
Phone #	**FAX #**
904-256-1625	
Sampler's Signature	**Sampler's Printed Name**
	Paul Duff

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	Matrix	Preservative	NUMBER OF CONTAINERS	Fecal	Enterolert	REMARKS
~~ESS Grab~~									
Grab		9/20/21	9:45	ESS		1			Marine
Grab		9/20/21	9:45	ESS			1		

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

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: Chet Weissland	Printed Name	Printed Name	Printed Name	Printed Name
Firm: FDEP	Firm: ALS	Firm	Firm	Firm	Firm
Date/Time: 9/20/21 11:25AM	Date/Time: 9/20/21 1115	Date/Time	Date/Time	Date/Time	Date/Time

Chain of Custody SMF-9 3/14/2016

Page 7 of 19

640-Tallahassee

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
TASK ASSIGNMENT/NOTIFICATION FORM: LAB145

Contract Manager: Devan Cobb/Magan Bowden (850)-245-8078 / (850) 245-8095
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

Contractor: Eurofins/TestAmerica Laboratories, Inc
5102 LaRoche Ave
Savannah, GA 31404
ATTN: Noel Savoie

DEP Approval By: Linda S. Allen Contractor Approval By: Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 9/22/2021
Means of Contact: Email

Task Assignment Number: OV291 Maximum Cost: **$427.50** Turnaround Time: 5 BD

Sample Delivery Date: 9/22/2021

Project Name/Description:
RQ-2021-09-06-16;NE-DIST-2021-09-21-01; FYI0002763 Georgia-Pacific;TLH-2021-09-21-06

Deliverable Number/ Parameter Group/ Method	**Sample Matrix**	**# of Samples**	**# of Containers**	**DEP ID #**	**Unit Cost**	**% Mark-up (if any)**	**Cost**
OV-DIOX-TA EPA 1613B	W	1	4	2276820	$425.00		$425.00
217/Sample Disposal Fee:	1				$2.50		$2.50
Total Number of Containers Shipped:	4					**Total:**	**$427.50**

680-204937 Chain of Custody

QC Instructions:

Comments: QUOTE # 68026229-0

Samples released to Contract Lab by: Date/Time: 09/22/21 15:46

Delivery Method: Shipping

Samples Accepted by: Date/Time 9-22-21 15:46
Rec'd. 9-22-21 1645.

* **Please sign and return by email to** Devan.R.Cobb@dep.state.fl.us and Magan.Bowden@dep.state.fl.us

9.24.21 1030 9.7/4.1

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
TASK ASSIGNMENT/NOTIFICATION FORM: LAB145

Contract Manager: Devan Cobb/Magan Bowden (850)-245-8078 / (850) 245-8095
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

Contractor: Eurofins/TestAmerica Laboratories, Inc
5102 LaRoche Ave
Savannah, GA 31404
ATTN: Noel Savoie

DEP Approval By: Devan R. Cobb-Williams Contractor Approval By: Noël Savoie
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 8/2/2021
Means of Contact: Email

Task Assignment Number: OV274 Maximum Cost: **$36.25** Turnaround Time: 5 BD

Sample Delivery Date: 9/21/2021

Project Name/Description:
RQ-2021-09-06-16;FL0002763 Georgia-Pacific

Deliverable Number/ Parameter Group/ Method	**Sample Matrix**	**# of Samples**	**# of Containers**	**DEP ID #**	**Unit Cost**	**% Mark-up (if any)**	**Cost**
Quote/OV-BOD-UN	W	1	1 bottle		$33.75		$33.75
BOD, NOT nitrogen-inhibited 5210B-2011							
217/Sample Disposal Fee:		1			$2.50		$2.50
Total Number of Containers Shipped:		1				**Total:**	**$36.25**

660-113968 Chain of Custody

Loc: 660
113968

QC Instructions:

Comments: Quote #66015426 - 0

Samples released to Contract Lab by: _____ Date/Time: 9/22/21 3:00 PM

Delivery Method: FEDEX Shipping

Samples Accepted by: _____ Date/Time 9-23-21 @ 940

* **Please sign and return by email to** Devan.R.Cobb@floridaDEP.gov and Magan.Bowden@dep.state.fl.us

4.0/3.2 CW09

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:45	Effluent Grab	AGP/LN	Algal Growth Potential	2.88 A	mg DryWt/L	0.300	0.900
9/20/2021 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	6.8	µg/L	2.1	6.3
9/20/2021 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	93	µg/L	1.4	4.2
9/20/2021 9:45	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	85	µg/L	1.9	5.8
9/20/2021 9:45	Effluent Grab	Overflow	Fecal Coliforms-Membrane Filter	13 B	cfu/100 mL	1.6	1.6
9/20/2021 9:45	Effluent Grab	Overflow	ENTEROCOCCI-ENTEROLERT	41	MPN/100 mL	10	10
9/20/2021 9:45	Effluent Grab	Metals	Copper	0.57 I	µg/L	0.40	0.80
9/20/2021 9:45	Effluent Grab	Metals	Lead	0.20 U	µg/L	0.20	0.40
9/20/2021 9:45	Effluent Grab	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/20/2021 9:45	Effluent Grab	Metals	Selenium	0.20 U	µg/L	0.20	0.80
9/20/2021 9:45	Effluent Grab	Metals	Nickel	4.6	µg/L	0.50	2.0
9/20/2021 9:45	Effluent Grab	Metals	Sodium	340	mg/L	2.5	10
9/20/2021 9:45	Effluent Grab	Metals	Iron	350	µg/L	30	120
9/20/2021 9:45	Effluent Grab	Metals	Magnesium	3.88	mg/L	0.040	0.16
9/20/2021 9:45	Effluent Grab	Metals	Aluminum	3.88E+03	µg/L	10	40
9/20/2021 9:45	Effluent Grab	Metals	Calcium	34.9	mg/L	0.075	0.30
9/20/2021 9:45	Effluent Grab	Metals	Chromium	4.2	µg/L	0.40	1.6
9/20/2021 9:45	Effluent Grab	Metals	Potassium	7.9	mg/L	0.30	1.2
9/20/2021 9:45	Effluent Grab	Metals	Cadmium	0.024 I	µg/L	0.020	0.080
9/20/2021 9:45	Effluent Grab	Metals	Arsenic	0.62	µg/L	0.050	0.20
9/20/2021 9:45	Effluent Grab	Metals	Zinc	7.9 I	µg/L	5.0	20
9/20/2021 9:45	Effluent Grab	Nutrients	Total Alkalinity	283 A	mg CaCO3/L	0.65	2.5
9/20/2021 9:45	Effluent Grab	Nutrients	Turbidity	21 A	NTU	0.10	0.13
9/20/2021 9:45	Effluent Grab	Nutrients	Ammonia-N	0.14	mg N/L	0.010	0.025
9/20/2021 9:45	Effluent Grab	Nutrients	Organic Carbon	56	mg C/L	0.50	1.0
9/20/2021 9:45	Effluent Grab	Nutrients	Kjeldahl Nitrogen	1.8	mg N/L	0.40	1.0
9/20/2021 9:45	Effluent Grab	Nutrients	Fluoride	0.049 I	mg F/L	0.035	0.10
9/20/2021 9:45	Effluent Grab	Nutrients	Sulfate	300	mg SO4/L	2.0	5.0
9/20/2021 9:45	Effluent Grab	Nutrients	Chloride	140	mg Cl/L	2.0	5.0
9/20/2021 9:45	Effluent Grab	Nutrients	O-Phosphate-P	0.072	mg P/L	0.0040	0.010

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:45	Effluent Grab	Nutrients	Total-P	0.34	mg P/L	0.0050	0.050
9/20/2021 9:45	Effluent Grab	Nutrients	NO2NO3-N	0.046	mg N/L	0.0040	0.010
9/20/2021 9:45	Effluent Grab	Nutrients	Color (true)	640 AJ	PCU	25	60
9/20/2021 9:45	Effluent Grab	Overflow	2,3,7,8-TCDD	2.7 UJ	pg/L	2.7	9.8
9/20/2021 9:45	Effluent Grab	Overflow	2,3,7,8-TCDF	1.5 UJ	pg/L	1.5	9.8
9/20/2021 9:45	Effluent Grab	Pesticides	Azinphos Methyl	1.9 U	ng/L	1.9	7.7
9/20/2021 9:45	Effluent Grab	Pesticides	Demeton	1.4 U	ng/L	1.4	5.7
9/20/2021 9:45	Effluent Grab	Pesticides	Ethion	0.14 U	ng/L	0.14	0.57
9/20/2021 9:45	Effluent Grab	Pesticides	Ethoprop	0.096 U	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Fipronil	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Malathion	0.34 U	ng/L	0.34	1.3
9/20/2021 9:45	Effluent Grab	Pesticides	Pronamide	0.14 U	ng/L	0.14	0.57
9/20/2021 9:45	Effluent Grab	Pesticides	Terbuthylazine	0.41 U	ng/L	0.41	1.6
9/20/2021 9:45	Effluent Grab	Pesticides	Acetochlor	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Bromacil	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.096 U	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Disulfoton	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.096 U	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Flutolanil	0.82	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Hexazinone	2.9	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Terbufos	0.096 U	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Dimethenamid	0.096 U	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Fenamiphos	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.48
9/20/2021 9:45	Effluent Grab	Pesticides	Flumioxazin	1.7 U	ng/L	1.7	6.7
9/20/2021 9:45	Effluent Grab	Pesticides	Metribuzin	3.1 U	ng/L	3.1	12
9/20/2021 9:45	Effluent Grab	Pesticides	Prodiamine	0.17 U	ng/L	0.17	0.67
9/20/2021 9:45	Effluent Grab	Pesticides	Propiconazole	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Simazine	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Ametryn	0.57 U	ng/L	0.57	2.3
9/20/2021 9:45	Effluent Grab	Pesticides	Butylate	0.38 U	ng/L	0.38	1.5
9/20/2021 9:45	Effluent Grab	Pesticides	Caffeine	14 IV	ng/L	7.2	29
9/20/2021 9:45	Effluent Grab	Pesticides	Diazinon	0.12 U	ng/L	0.12	0.48
9/20/2021 9:45	Effluent Grab	Pesticides	Fludioxonil	0.12 U	ng/L	0.12	0.48

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:45	Effluent Grab	Pesticides	Fonofos	0.19 U	ng/L	0.19	0.77
9/20/2021 9:45	Effluent Grab	Pesticides	Pendimethalin	0.96 U	ng/L	0.96	3.8
9/20/2021 9:45	Effluent Grab	Pesticides	Pyriproxyfen	0.12 U	ng/L	0.12	0.48
9/20/2021 9:45	Effluent Grab	Pesticides	Sucralose	0.19	µg/L	0.010	0.040
9/20/2021 9:45	Effluent Grab	Pesticides	Atrazine	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Fenbuconazole	0.12 UJ	ng/L	0.12	0.48
9/20/2021 9:45	Effluent Grab	Pesticides	Fluxapyroxad	0.096 UJ	ng/L	0.096	0.38
9/20/2021 9:45	Effluent Grab	Pesticides	Iprodione	0.57 U	ng/L	0.57	2.3
9/20/2021 9:45	Effluent Grab	Pesticides	Oxadiazon	0.29 U	ng/L	0.29	1.1
9/20/2021 9:45	Effluent Grab	Pesticides	Prometryn	0.19 U	ng/L	0.19	0.77
9/20/2021 9:45	Effluent Grab	Pesticides	Phorate	0.50 U	ng/L	0.50	2.0
9/20/2021 9:45	Effluent Grab	Pesticides	Sulfentrazone	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Alachlor	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Azoxystrobin	0.69 IJ	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Carbophenothion	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Difenoconazole	0.57 U	ng/L	0.57	2.3
9/20/2021 9:45	Effluent Grab	Pesticides	EPTC	1.2 U	ng/L	1.2	4.8
9/20/2021 9:45	Effluent Grab	Pesticides	Molinate	0.29 U	ng/L	0.29	1.1
9/20/2021 9:45	Effluent Grab	Pesticides	Naled	1.4 U	ng/L	1.4	5.7
9/20/2021 9:45	Effluent Grab	Pesticides	Norflurazon	0.48 U	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	5.7
9/20/2021 9:45	Effluent Grab	Pesticides	Cyanazine	3.1 U	ng/L	3.1	12
9/20/2021 9:45	Effluent Grab	Pesticides	Metalaxyl	0.72 U	ng/L	0.72	2.9
9/20/2021 9:45	Effluent Grab	Pesticides	Oxyfluorfen	0.14 U	ng/L	0.14	0.57
9/20/2021 9:45	Effluent Grab	Pesticides	Parathion Ethyl	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Tebuconazole	0.56 I	ng/L	0.48	1.9
9/20/2021 9:45	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.048 U	ng/L	0.048	0.19
9/20/2021 9:45	Effluent Grab	Pesticides	Dithiopyr	0.17 U	ng/L	0.17	0.67
9/20/2021 9:45	Effluent Grab	Pesticides	Fipronil Sulfide	0.14 U	ng/L	0.14	0.57
9/20/2021 9:45	Effluent Grab	Pesticides	Fipronil Sulfone	0.14 U	ng/L	0.14	0.57
9/20/2021 9:45	Effluent Grab	Pesticides	Imazalil	0.72 U	ng/L	0.72	2.9
9/20/2021 9:45	Effluent Grab	Pesticides	Metolachlor	0.34 U	ng/L	0.34	1.3
9/20/2021 9:45	Effluent Grab	Pesticides	Mevinphos	1.0 U	ng/L	1.0	4.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:45	Effluent Grab	Pesticides	Myclobutanil	0.24 U	ng/L	0.24	0.96
9/20/2021 9:45	Effluent Grab	Pesticides	Parathion Methyl	0.53 U	ng/L	0.53	2.1
9/20/2021 9:45	Effluent Grab	Pesticides	Prometon	0.86 U	ng/L	0.86	3.4
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.2 U	µg/L	5.2	21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.052 UJ	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Anthracene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.3
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.21 U	µg/L	0.21	0.83
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Isophorone	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.3

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Phenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 UJ	µg/L	3.1	12
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.52 UJ	µg/L	0.52	2.1
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.2
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 U	µg/L	2.1	8.3
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.42
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
9/20/2021 9:45	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.052 U	µg/L	0.052	0.21
9/20/2021 9:45	Effluent Grab	Nutrients	Specific Conductance	1622	µmhos/cm		
9/20/2021 9:45	Effluent Grab	Nutrients	Temperature	28.3	C		
9/20/2021 9:45	Effluent Grab	Nutrients	Dissolved Oxygen %Sat	15.9	%Sat		
9/20/2021 9:45	Effluent Grab	Nutrients	pH	7.66			
9/20/2021 10:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, NOEC	100	NOEC		
9/20/2021 10:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, NOEC	No Result O	NOEC		
9/20/2021 10:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, IC25	No Result O	IC25		
9/20/2021 10:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, IC25	100 L	IC25		
9/22/2021 10:00	Effluent Composite	Overflow	Biochemical Oxygen Demand	45	mg/L	24	24
9/22/2021 10:00	Effluent Composite	Nutrients	TSS	8 I	mg/L	2.0	10
9/22/2021 10:00	Effluent Composite	Overflow	2,3,7,8-TCDD	0.26 UY	pg/L	0.26	9.5
9/22/2021 10:00	Effluent Composite	Overflow	Adsorbable Organic Halides	1300	µg/L	6.2	20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/22/2021 10:00	Effluent Composite	Overflow	2,3,7,8-TCDF	0.42 IY	pg/L	0.13	9.5
9/20/2021 9:27	Field Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
9/20/2021 9:27	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
9/20/2021 9:27	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
9/20/2021 9:27	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
9/20/2021 9:27	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
9/20/2021 9:27	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/20/2021 9:27	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
9/20/2021 9:27	Field Blank	Metals	Potassium	1.3	mg/L	0.30	1.2
9/20/2021 9:27	Field Blank	Metals	Nickel	0.50 U	µg/L	0.50	2.0
9/20/2021 9:27	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
9/20/2021 9:27	Field Blank	Metals	Iron	30 U	µg/L	30	120
9/20/2021 9:27	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
9/20/2021 9:27	Field Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40
9/20/2021 9:27	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
9/20/2021 9:27	Field Blank	Metals	Copper	0.40 U	µg/L	0.40	0.80
9/20/2021 9:27	Field Blank	Nutrients	Chloride	1.2	mg Cl/L	0.20	0.50
9/20/2021 9:27	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	0.13
9/20/2021 9:27	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
9/20/2021 9:27	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
9/20/2021 9:27	Field Blank	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
9/20/2021 9:27	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
9/20/2021 9:27	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
9/20/2021 9:27	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
9/20/2021 9:27	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
9/20/2021 9:27	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
9/20/2021 9:27	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
9/20/2021 9:27	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
9/20/2021 9:27	Field Blank	Pesticides	Sucralose	0.010 U	µg/L	0.010	0.040
9/20/2021 9:27	Field Blank	Pesticides	Atrazine	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Carbophenothion	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Difenoconazole	0.57 U	ng/L	0.57	2.3
9/20/2021 9:27	Field Blank	Pesticides	Disulfoton	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Dithiopyr	0.17 U	ng/L	0.17	0.66

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:27	Field Blank	Pesticides	Fenbuconazole	0.12 UJ	ng/L	0.12	0.47
9/20/2021 9:27	Field Blank	Pesticides	Fipronil Sulfide	0.14 U	ng/L	0.14	0.57
9/20/2021 9:27	Field Blank	Pesticides	Fonofos	0.19 U	ng/L	0.19	0.76
9/20/2021 9:27	Field Blank	Pesticides	Metolachlor	0.33 U	ng/L	0.33	1.3
9/20/2021 9:27	Field Blank	Pesticides	Parathion Methyl	0.52 U	ng/L	0.52	2.1
9/20/2021 9:27	Field Blank	Pesticides	Tebuconazole	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Azoxystrobin	0.47 UJ	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Carfentrazone Ethyl	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Ethoprop	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Oxadiazon	0.28 U	ng/L	0.28	1.1
9/20/2021 9:27	Field Blank	Pesticides	Pendimethalin	0.95 U	ng/L	0.95	3.8
9/20/2021 9:27	Field Blank	Pesticides	Sulfentrazone	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	5.7
9/20/2021 9:27	Field Blank	Pesticides	Chlorpyrifos Methyl	0.047 U	ng/L	0.047	0.19
9/20/2021 9:27	Field Blank	Pesticides	EPTC	1.2 U	ng/L	1.2	4.7
9/20/2021 9:27	Field Blank	Pesticides	Ethion	0.14 U	ng/L	0.14	0.57
9/20/2021 9:27	Field Blank	Pesticides	Fipronil Sulfone	0.14 U	ng/L	0.14	0.57
9/20/2021 9:27	Field Blank	Pesticides	Flumioxazin	1.7 U	ng/L	1.7	6.6
9/20/2021 9:27	Field Blank	Pesticides	Prometryn	0.19 U	ng/L	0.19	0.76
9/20/2021 9:27	Field Blank	Pesticides	Simazine	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Caffeine	16 IV	ng/L	7.1	28
9/20/2021 9:27	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Fipronil	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Fludioxonil	0.12 U	ng/L	0.12	0.47
9/20/2021 9:27	Field Blank	Pesticides	Molinate	0.28 U	ng/L	0.28	1.1
9/20/2021 9:27	Field Blank	Pesticides	Naled	1.4 U	ng/L	1.4	5.7
9/20/2021 9:27	Field Blank	Pesticides	Ametryn	0.57 U	ng/L	0.57	2.3
9/20/2021 9:27	Field Blank	Pesticides	Azinphos Methyl	1.9 U	ng/L	1.9	7.6
9/20/2021 9:27	Field Blank	Pesticides	Butylate	0.38 U	ng/L	0.38	1.5
9/20/2021 9:27	Field Blank	Pesticides	Fenamiphos	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.47
9/20/2021 9:27	Field Blank	Pesticides	Fluxapyroxad	0.095 UJ	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Parathion Ethyl	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Pronamide	0.14 U	ng/L	0.14	0.57

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:27	Field Blank	Pesticides	Propiconazole	0.53 I	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Terbufos	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Terbuthylazine	0.40 U	ng/L	0.40	1.6
9/20/2021 9:27	Field Blank	Pesticides	Acetochlor	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Demeton	1.4 U	ng/L	1.4	5.7
9/20/2021 9:27	Field Blank	Pesticides	Fluazifop-P-butyl	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Hexazinone	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Metribuzin	3.1 U	ng/L	3.1	12
9/20/2021 9:27	Field Blank	Pesticides	Phorate	0.50 U	ng/L	0.50	2.0
9/20/2021 9:27	Field Blank	Pesticides	Pyriproxyfen	0.12 U	ng/L	0.12	0.47
9/20/2021 9:27	Field Blank	Pesticides	Bromacil	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Pesticides	Dimethenamid	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Flutolanil	0.095 U	ng/L	0.095	0.38
9/20/2021 9:27	Field Blank	Pesticides	Imazalil	0.71 U	ng/L	0.71	2.8
9/20/2021 9:27	Field Blank	Pesticides	Iprodione	0.57 U	ng/L	0.57	2.3
9/20/2021 9:27	Field Blank	Pesticides	Malathion	0.33 U	ng/L	0.33	1.3
9/20/2021 9:27	Field Blank	Pesticides	Metalaxyl	0.71 U	ng/L	0.71	2.8
9/20/2021 9:27	Field Blank	Pesticides	Mevinphos	0.99 U	ng/L	0.99	4.0
9/20/2021 9:27	Field Blank	Pesticides	Oxyfluorfen	0.14 U	ng/L	0.14	0.57
9/20/2021 9:27	Field Blank	Pesticides	Prodiamine	0.17 U	ng/L	0.17	0.66
9/20/2021 9:27	Field Blank	Pesticides	Prometon	0.85 U	ng/L	0.85	3.4
9/20/2021 9:27	Field Blank	Pesticides	Alachlor	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Cyanazine	3.1 U	ng/L	3.1	12
9/20/2021 9:27	Field Blank	Pesticides	Diazinon	0.12 U	ng/L	0.12	0.47
9/20/2021 9:27	Field Blank	Pesticides	Myclobutanil	0.24 U	ng/L	0.24	0.95
9/20/2021 9:27	Field Blank	Pesticides	Norflurazon	0.47 U	ng/L	0.47	1.9
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	µg/L	2.0	8.2
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.10

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Isophorone	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Phenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.51 U	µg/L	0.51	2.0
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.3 I	µg/L	1.0	4.1
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	1,4-Dioxane	0.020 U	µg/L	0.020	0.080
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Fluoranthene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Anthracene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2.0	8.2
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2.0	8.2
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	µg/L	0.20	0.82
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	µg/L	10	41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	µg/L	5.1	20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	µg/L	0.051	0.20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	µg/L	0.051	0.20
9/20/2021 9:27	Field Blank	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41